

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.





62173

MICHELL'S  
GIANT  
MAY FLOWERING  
DARWIN TULIPS

1913



*Glow*



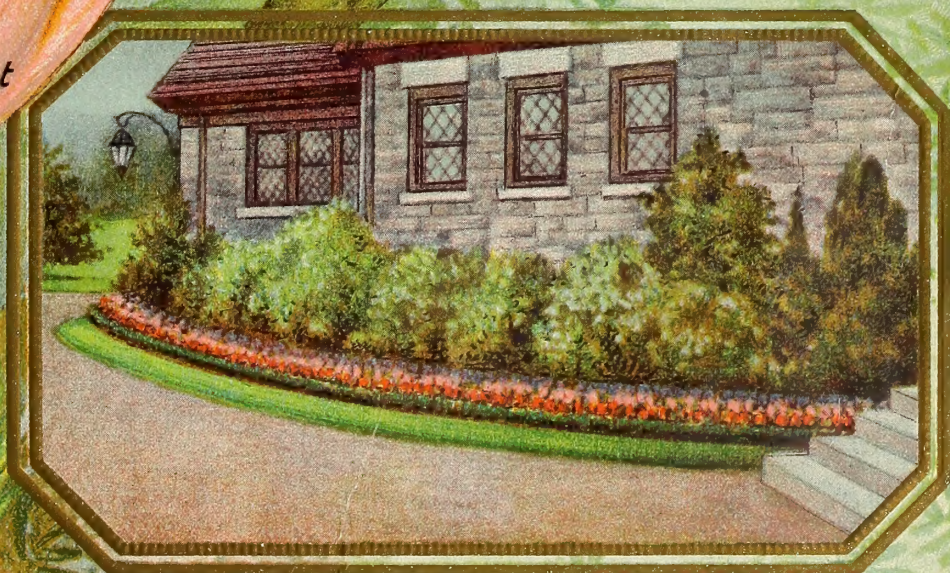
*Sultan*



*Clara Butt*

# MICHELL'S BULBS

For Fall Planting



**MICHELL'S GIANT FLOWERING  
DARWIN TULIPS (SHOWN ABOVE)**

	DOZ.	— 100 — 1000
CLARA BUTT	.60	— 4.00 — 37.50
GLOW	.55	— 3.75 — 35.00
SULTAN	.45	— 2.75 — 25.00

SEE PAGES 10-11-12 FOR A COMPLETE LIST OF  
DARWIN AND OTHER LATE FLOWERING TULIPS.

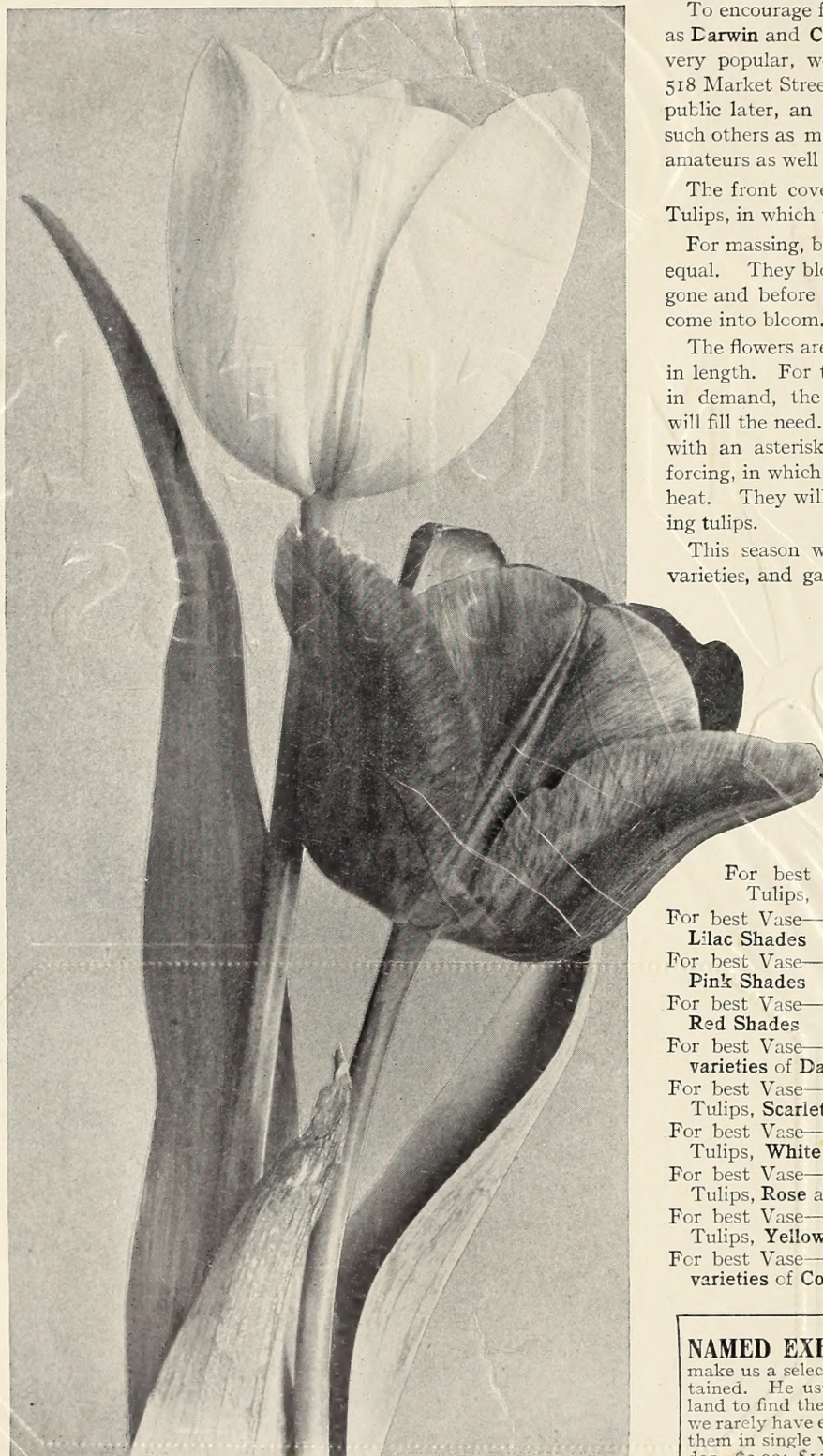
HENRY F. MICHELL CO.

518 MARKET ST.,  
PHILADELPHIA, PA.



# Michell's Special Prize Offer

## For DARWIN and COTTAGE GARDEN TULIPS



Michell's Darwin Tulips (upper) Nora Ware (lower) Baronne de la Tonnaye

To encourage further the planting of **Late-flowering Tulips**, such as **Darwin** and **Cottage Garden** types, which already have become very popular, we propose to hold in our Mammoth Salesrooms, 518 Market Street, in May of 1914, at a date which will be made public later, an Exhibition of this class of flowers, together with such others as may be offered below. This competition is open to amateurs as well as to private gardeners.

The front cover of this book shows only a few of the **Darwin** Tulips, in which the range and shades of color are very wide.

For massing, bedding, or border planting the **Darwins** are hard to equal. They bloom at a season when early bulbous flowers have gone and before the majority of spring perennials and shrubbery come into bloom.

The flowers are gigantic in size; the stems are two feet and more in length. For table or other decorations, where Tulip flowers are in demand, the **Darwin** and many of the **Cottage Garden** types will fill the need. Many of the **Darwins**, particularly those marked with an asterisk (\*) in the body of this book, are adapted for forcing, in which case they require a rich soil and only a moderate heat. They will not stand forcing when handled like early flowering tulips.

This season we have added considerably to our list in **Darwin** varieties, and gardeners will find it to contain the best.

See also page 2 for list of prizes offered by us for competition at the 1914 Spring Exhibition of the Pennsylvania Horticultural Society, Philadelphia (exact date to be determined later).

### SCHEDULE OF PRIZES

	First Prize	Second Prize
For best Vase—12 Blooms—of <b>Darwin</b> Tulips, <b>White Shades</b> . . . . .	\$3.00	\$2.00
For best Vase—12 Blooms—of <b>Darwin</b> Tulips, <b>Lilac Shades</b> . . . . .	3.00	2.00
For best Vase—12 Blooms—of <b>Darwin</b> Tulips, <b>Pink Shades</b> . . . . .	3.00	2.00
For best Vase—12 Blooms—of <b>Darwin</b> Tulips, <b>Red Shades</b> . . . . .	3.00	2.00
For best Vase—50 Blooms—in not less than 12 varieties of <b>Darwin</b> Tulips, . . . . .	3.00	2.00
For best Vase—12 Blooms—of <b>Cottage Garden</b> Tulips, <b>Scarlet Shades</b> . . . . .	3.00	2.00
For best Vase—12 Blooms—of <b>Cottage Garden</b> Tulips, <b>White Shades</b> . . . . .	3.00	2.00
For best Vase—12 Blooms—of <b>Cottage Garden</b> Tulips, <b>Rose and Pink Shades</b> . . . . .	3.00	2.00
For best Vase—12 Blooms—of <b>Cottage Garden</b> Tulips, <b>Yellow Shades</b> . . . . .	3.00	2.00
For best Vase—50 Blooms—in not less than 12 varieties of <b>Cottage Garden</b> Tulips, . . . . .	3.00	2.00

**NAMED EXHIBITION HYACINTHS** Every year we have our most reliable grower make us a selection of the largest possible Hyacinth Bulbs to be obtained. He usually scours the entire bulb-growing district of Holland to find them. In past years they've been so sought after that we rarely have enough to meet demands; so order early. We offer them in single varieties only, named, our selection. 20c. each; per doz., \$2.00; \$15.00 per 100.

HENRY F. MICHELL CO., 518 Market Street, Philadelphia



# INDEX TO CONTENTS OF MICHELL'S 1913 BULB CATALOG

## BULBS, ROOTS, ETC.

	PAGE
Aconite .....	24
Allium .....	24
Amaryllis .....	24
Anemones .....	25
Anomatheca .....	24
Begonias .....	24
Bleeding Heart .....	27
Callas .....	25
Chinese Lilies .....	26
Chionodoxa .....	26
Colchicum .....	14
Cottage Garden Tulips .....	12
Crocus .....	14
Crown Imperials .....	27
Cultural Directions .....	3
Cyclamen .....	26

Daffodils .....	15, 20
Dielytra .....	27
Eranthia .....	24
Freesias .....	28
"    Scarlet .....	24
Gladiolus .....	29
Glory of the Snow .....	26
Gloxinias .....	27

Hyacinths .....	4-7
"    Christmas Vars. .....	4
"    Exhibition Vars. .....	5
"    First Size Named .....	4
"    French Romans .....	7
"    Miniature .....	5
"    Named Bedding .....	6
"    Named Double .....	5
"    Unnamed .....	7

Iris .....	31-30
Ismene .....	36
Ixias .....	31
Jonquils .....	19, 20

Lachenalia .....	31
Leucojum .....	32-37
Lilies, Hardy .....	22, 23
"    Formosum .....	21
"    Giganteum .....	21
"    Harrisii .....	21
"    Multiflorum .....	21
Lily of Valley .....	32-74

Montbretia .....	32
Muscari .....	32
Narcissus, Single .....	15-18
"    Double .....	20
"    Polyanthus .....	19

Ornithogalum .....	33
Oxalis .....	33

Pæonies .....	34, 35
Pancratium .....	36
Parrot Tulips .....	12
Premium Offers 2 .....	2d cover
Puschkinia .....	33

Ranunculus .....	36
------------------	----

Scilla .....	36
Snowdrops .....	37
Sparaxis .....	36
Spring Snowflake .....	32-37
Spirea .....	37
Sternbergia .....	36

Tulips, Single Early .....	8, 9
"    Cottage Garden .....	12
"    Darwins .....	10, 11
"    Double .....	13
"    Late .....	12
"    Parrots .....	12

Windflowers .....	25
-------------------	----

Zephyranthes .....	37
--------------------	----

## SEEDS.

Alfalfa .....	62
Clovers .....	63
Essex Rape .....	63
Flower Seeds .....	38 to 52
Grass Seeds .....	58-60
Oats .....	63
Rape .....	63
Rye .....	63
Timothy .....	63
Vegetable Seeds .....	53-57
Vetches .....	63
Wheat .....	61

## MISCELLANEOUS.

	PAGE
Ant Exterminator .....	93
Aphine .....	93
Aphis Punk .....	93
Aprons, Rubber .....	83-88
Arsenate of Lead .....	93
Ashes .....	96
Auto Spray .....	92
Barrels .....	82
Black Leaf 40 .....	93
Blood, Dried .....	96
Blood Flour .....	96
Books .....	28
Bone .....	96
Bone Flour .....	96
Bone Meal .....	96
Bouquet Wire .....	89
Bone Mills .....	95
Bon Arbor .....	96
Bonora .....	96
Bordeaux Mixture .....	93
Boro-Wax .....	93
Brooders .....	95
Bucket Pumps .....	92
Bulb Pans .....	28-91
Bug Death .....	93
Cane Stakes .....	89
Carbolineum .....	93
Carnation Bands .....	86
"    Staples .....	86
Carnation Supports .....	88
Charcoal .....	28, 86
Chrysanthemum Manure .....	96
Cider Mills .....	90
Clay's Fertilizer .....	96
Clover Cutters .....	87
Cocoonut Fibre .....	25-28
Copper Solution .....	93
Copperas .....	96
Corn Shelter .....	85
Cotton Seed Meal .....	96
Cow Ease .....	91
Cow Manure .....	95
Cut-Flower Boxes .....	86
Dalmation Powder .....	93
Disparene .....	93
Dowels .....	89

Evaporating Pans .....	87
Extension Pipes .....	92
Farmogerm .....	62
Feed Cutters .....	87
Feed Cookers .....	87
Feeders .....	95
Fern Dish Liners .....	91
Fern Pans .....	91
Fertilizers .....	96
Fibre Sauces .....	91
Fir Tree Oil Soap .....	93
Fish Guano .....	96
Flower Pots .....	91
Flower Vases .....	89
Fly Nuts .....	84
Founts .....	95
Fruit Pickers .....	90
Fumigators .....	87
Fungine .....	93

Getz-there Soap .....	93
Glass Cutters .....	87
Glass Clamps .....	87
Glazing Points .....	87
Gloves .....	88
Grafting Tool .....	87
Grafting Wax .....	86, 87
Grape Dust .....	93
Grape Grinders .....	90
Greenhouse White .....	87
Grindstones .....	85
Guano .....	96

Hay Cutters .....	87
Heaters .....	90
Hedge Shears .....	84, 85
Hedge Trimmers .....	85
Helibore .....	93
Horn Shavings .....	96
Hose, Rubber .....	83
"    Bands .....	83
"    Reels .....	83
"    Menders .....	83
"    Mending Outfit .....	83
"    Couplings .....	83
"    Reducers .....	83
"    Nozzles .....	83
"    Washers .....	83
"    Protectors .....	83
Hotbed Sash .....	88
"    Mats .....	88
Hotbeds (Miniature) .....	88
Hot-Water Stoves .....	90
Hovers .....	90
Hyacinth Glasses .....	28
Hyacinth Stakes .....	4, 89
Hydrant Attachments .....	83
Hydrometers .....	93

	PAGE
Incubators .....	95
Insecticides .....	93
Kainit .....	96
Kerosene Emulsion .....	93
Kil-O-Scale .....	93
Labels .....	86
Land Plaster .....	96
Lawn Cleaners .....	82
"    Sprinklers .....	83
"    Mowers .....	82
"    Seeders .....	82
"    Rakes .....	82
"    Rollers .....	82
"    Sand .....	96
"    Dressing .....	96
Leaf Mould .....	28, 86
Leaf Racks .....	82
Lemon Oil Insecticide .....	93
Lime .....	96
Lime-Sulphur .....	3d cover, 93
Lopping Shears .....	84

Manure .....	96
Mapes' Fertilizers .....	96
Marking Pencils .....	86
Mastica .....	87
"    Machine .....	87
Mehler Handy Gardener .....	85
Moss .....	86
Mushroom Spawn .....	53
"    Bed Thermometer .....	53

Nicofume .....	93
Nicotene .....	93
Nikotiana .....	93
Niticide .....	93
Nitrate of Soda .....	96
Nozzles .....	83-92
Nozzle Holders .....	83

Orchid Peat .....	86
-------------------	----

Paper .....	86
Paper Pots .....	91
Paris Green .....	93
Peat .....	86
Pebbles .....	28, 86
Peruvian Guano .....	96
Pet Cocks .....	92
Phosphate .....	96
Plant Food .....	96
Plant Sprinklers .....	85
Plant Stakes .....	89
"    Stands .....	88
"    Tubs .....	91
Pliers .....	83
Pot Labels .....	86
Potato Manure .....	96
Potting Sand .....	28
"    Soil .....	28
Pots .....	91
Poudrette .....	96
Poultry Food .....	94
Poultry Supplies .....	95
Protecting Cloth .....	86
Pruning Shears .....	84
"    Gloves .....	84
"    Saws .....	84
Pumps .....	92
Putty .....	87
Putty Bulbs .....	87
Pyrox .....	93

Raffia .....	89
Rat Corn .....	93
Readeana .....	93
Rollers .....	82
Rolling Stands .....	91
Roofing Paper .....	86
"    Nails .....	86
"    Caps .....	86
Root Cutters .....	87
Rubber Aprons .....	83, 88
"    Hose .....	83

Sand .....	28, 86
Saucers .....	91
Salt (Agricultural) .....	96
Scale Destroyer 3d cover .....	93
Scaleme .....	3d cover, 93
Scalecide .....	3d cover, 93
Seed Pans .....	91
Seeders .....	82-85
Shading Cloth .....	86
Sheep Droppings .....	96
Shoop Manure .....	96
Shoop-Fly .....	93
Silkalene .....	89
Sieves .....	90
Slugs .....	90
Slugshot .....	93
Soil .....	28, 86
"    Crusher .....	86
Soot .....	96
Sprayers .....	92

	PAGE
Sprinklers .....	85
Strainers .....	92
Stakes .....	89
Stake Fasteners .....	89
Stoves .....	99
Sulphate of Ammonia .....	96
Sulphate of Copper .....	97
Sulphate of Potash .....	93
Sulphocide .....	93
Sulpho-Tobacco Soap .....	93
Sulphur .....	93
Sulphur Burners .....	87
Sulphur Candles .....	93
Syringes .....	85

Tankage .....	96
Thermometers .....	90
Thymo-Cresol .....	93
Thomson's Manure .....	86
Tinfoil .....	86
Tissue Paper .....	86
Tobacco Dust .....	93
"    Soap .....	93
"    Stems .....	93-96
Tobakine .....	93
Toothpicks .....	86
Tree Guards .....	38
Tree Labels .....	86
Tree Pruners .....	84, 85
Tree Tanglefoot .....	91
Tubs .....	91
Twimlow's Putty .....	87
Twines .....	89

Vaporite .....	93
Vaporizers .....	87
Vases .....	89
Vermine .....	93
Violet Foil .....	86

Water Barrels .....	82
Watering Cans .....	83
Wax Paper .....	86
Weed Killer .....	86
Whale Oil Soap .....	93
Wheelbarrows .....	82
Wheat Fertilizer .....	96
Wilson's Plant Oil .....	93
Window Boxes .....	38
Wire Presses .....	90
Wire .....	89
Wire Fencing .....	85
Wire Netting .....	86
Wire Stakes .....	89
Wood Ashes .....	96
Worm Eradicator .....	93
Wrapping Paper .....	86

Zementine .....	86
-----------------	----

## PLANTS, ETC.

Achillea .....	66
Aconitum .....	66
Agrostemma .....	66
Althaea .....	65
Alyssum .....	66
Ampelopsis .....	80
Anchusa .....	66
Anemone .....	66
Aquilegia .....	66
Arabis .....	66
Armeria .....	66
Artemisia .....	66
Asclepias .....	66
Asters .....	67
Auriculas .....	67

Barberry .....	65
Berberis .....	65
Bignonia .....	80
Blackberries .....	64
Bleeding Heart .....	27, 70
Bocconia .....	67
Boltonia .....	67
Boxwood .....	65
Buddleia .....	79

Callirhoe .....	67
Calycanthus .....	79
Campanula .....	67
Carnation .....	69, 81
Centaurea .....	69
Chrysanthemum .....	68
Clethra .....	79
Clematis .....	80
Climbing Plants .....	80
Coreopsis .....	69
Currants .....	64
Cyclamen .....	26
Cytisus .....	79

Daisy .....	69
Delphinium .....	69
Deutzia .....	79
Dictamnus .....	70
Dianthus .....	70
Digitalis .....	70

	PAGE
Doronicum .....	70
Dielytra .....	27, 70
Echinops .....	70
Edelweiss .....	70
Eleagnus .....	79
Eryngium .....	70
Eupatorium .....	70
Exochorda .....	79

Ferns (Hardy) .....	71
Forsythia .....	79
Fruit Trees .....	65
Funkia .....	70

Gaillardia .....	73
Galega .....	70
Geranium .....	70
Geum .....	73
Gooseberries .....	64
Grape Vines .....	65
Grasses (Ornamental) .....	71
Gypsophila .....	73

Hedge Plants .....	65
Helleborus .....	73
Helenium .....	7



**\$300.00**

OFFERED BY

**HENRY F. MICHELL COMPANY, 518 Market Street, Philadelphia, Penna.**

TO BE EXHIBITED AT THE

**1914 Spring Flower Show of The Pennsylvania Horticultural Society, held at Philadelphia, Pa.**

EXACT DATE TO BE DETERMINED LATER.

CLASS.	1ST PRIZE.	2ND PRIZE.	1ST PRIZE.	2ND PRIZE.
1. <b>HYACINTHS.</b> Single, best six pans, not over ten inches, one pan of each of the following: British Queen, rose pink; L'Innocence, pure white; Grand Maitre, deep porcelain blue; Enchantress, light lavender; Moreno, pink; Garibaldi, carmine; two prizes.....	\$10.00	\$5.00		
2. <b>HYACINTHS.</b> Double, best six pans, not over ten inches, one pan of each of the following: La Grandesse, white; Gladstone, red; Koh-i-noor, pink; Marechal Neil, red; General Antinck, blue; Jaune Supreme, yellow; two prizes.....	10.00	5.00		
3. <b>TULIPS.</b> Single, best six pans, not over ten inches, one pan of each of the following: King of the Yellows, yellow; Pink Beauty, pink; Rose Luisante, pink; Flamingo, pink-and-white; Joost von Vondel, white; Prince of Austria, orange, vermillion; two prizes...	10.00	5.00		
4. <b>TULIPS.</b> Double, best six pans, not over ten inches, one pan of each of the following: Couronne d'Or (Crown of Gold), yellow; Rosina, pink; Cochineal, scarlet; Murillo, pink; Safrano, yellow; Schoonard, white; two prizes.....	10.00	5.00		
5. <b>NARCISSUS.</b> Single, best six pans, not over ten inches, one pan of each of the following: Emperor, Empress, Mrs. Langtry, Victoria, Glory of Leiden, Golden Spur; two prizes...	10.00	5.00		
6. <b>EASTER LILIES.</b> (Any variety known as Easter Lilies.) Best six pots, not over ten inches, two prizes.....	5.00	3.00		
7. <b>CALLA LILIES,</b> white. Best five pans or pots, not over ten inches, two prizes.....	5.00	3.00		
8. <b>CALLA LILIES,</b> yellow. Best five pots or pans, not over ten inches, two prizes.....	5.00	3.00		
9. <b>SPIREA,</b> Gladstone. Best six plants, not over ten-inch pots or pans, two prizes.....	5.00	3.00		
10. <b>SPIREA,</b> Queen Alexandra. Best six plants, not over ten-inch pots or pans, two prizes...	5.00	3.00		
11. <b>CROCUS.</b> Best four pans, not over ten inches, one pan of each of the following: yellow, purple, variegated, and white; two prizes....	3.00	2.00		
12. <b>HYACINTHS.</b> Single, best six pots, white, not over six-inch pots, three bulbs each, not less than three varieties, two prizes.....	4.00	2.00		
13. <b>HYACINTHS.</b> Single, best six pots, pink, not over six-inch pots, three bulbs to each pot, not less than three varieties, two prizes.....	4.00	2.00		
14. <b>HYACINTHS.</b> Single, best six pots, blue, not over six-inch pots, three bulbs to each pot, not less than three varieties, two prizes.....	4.00	2.00		
15. <b>TULIPS.</b> Single, best six pots, pink, not over six-inch pots, not less than three varieties, two prizes.....	3.00	2.00		
16. <b>TULIPS.</b> Single, best six pots, white, not over six-inch pots, not less than three varieties, two prizes.....	3.00	2.00		
17. <b>TULIPS.</b> Single, best six pots, scarlet, not over six-inch pots, not less than three varieties, two prizes.....	3.00	2.00		
18. <b>HYACINTHS.</b> Best 16-inch pan, Queen of the Pinks, two prizes.....	4.00	3.00		
19. <b>HYACINTHS.</b> Best 16-inch pan, Mont Blanc, white, two prizes.....	4.00	3.00		
20. <b>HYACINTHS.</b> Best 16-inch pan. Grand Lilas, blue, two prizes.....	\$4.00	\$3.00		
21. <b>TULIPS.</b> Best 16-inch pan, Joost von Vondel, white, two prizes.....	4.00	3.00		
22. <b>TULIPS.</b> Best 16-inch pan, King of the Yellows, two prizes.....	4.00	3.00		
23. <b>TULIPS.</b> Best 16-inch pan, Kaiserkroon, two prizes.....	4.00	3.00		
23a. <b>NARCISSUS.</b> Double Von Sion, best 16-inch pan, two prizes.....	4.00	3.00		
24. <b>NARCISSUS,</b> Poeticus Ornatus. Best 16-inch pan, two prizes.....	4.00	3.00		
25. <b>NARCISSUS,</b> King Alfred. Best 16-inch pan, two prizes.....	4.00	3.00		
26. <b>LILY-OF-THE-VALLEY.</b> Best two pans, not over ten inches, two prizes.....	3.00	2.00		
27. <b>DIELYTRA SPECTABILIS.</b> Best four plants, not over eight-inch pots, two prizes.....	3.00	2.00		
28. <b>AMARYLLIS JOHNSONI.</b> Best pan or pot, not over eight inches, two prizes.....	2.00	1.00		
29. <b>AMARYLLIS VITTATA HYBRIDA.</b> Best pan or pot, not over eight inches, two prizes.	2.00	1.00		

**AMATEUR CLASSES**

FOR THOSE WHO HAVE NEVER WON A FIRST PRIZE FOR HORTICULTURAL ACHIEVEMENT.

1. Best pan of red <b>tulips</b> , not over ten inches....	\$2.00	\$1.00
2. Best pan of white <b>tulips</b> , not over ten inches...	2.00	1.00
3. Best pan of yellow <b>tulips</b> , not over ten inches..	2.00	1.00
4. Best pan of pink <b>tulips</b> , not over ten inches....	2.00	1.00
5. Best pan of <b>hyacinths</b> , three colors, not over ten inches.....	3.00	2.00
6. Best pan of <b>narcissus</b> , single yellow.....	3.00	2.00
7. Best pan of <b>freesia Purity</b> .....	2.00	

**SPECIAL PRIZES**

OFFERED BY

**A Grower in Holland**

THROUGH

**HENRY F. MICHELL CO., Philadelphia, Pa.**

	1ST PRIZE.	2ND PRIZE.
For best twelve-inch pan <b>TULIPS</b> , Brilliant Star, Scarlet.....	\$10.00	\$6.50
For best twelve-inch pan <b>TULIPS</b> , Mad. Frylink, Rose.....		
For best twelve-inch pan <b>TULIPS</b> , Dorma, Yellow.....		
For best pans of <b>HYACINTHS</b> , Gen'l De Wet, Pink.....	\$10.00	\$6.50
For best pans of <b>HYACINTHS</b> , Arentina, white.....		
For best pans of <b>HYACINTHS</b> , Perle Brillant, Blue.....		
For best pan of <b>NARCISSUS</b> , Lucifer.....	\$10.00	\$6.50
For best pan of <b>NARCISSUS</b> , King Alfred.....		
For best pan of <b>NARCISSUS</b> , Rugulosus f. pl.....		



## Brief Cultural Directions on a few of the Most Important Bulbs

### HYACINTHS

**Directions for Planting in the Open Ground.**—This should be done in October and November, but they can be set out at any time, as long as the ground is open and the bulbs remain sound. The best compost for their culture is the following: One-third sand, one-third well rotted cow manure and one-third good garden mould. Special care should be taken not to add any bone fertilizers, as they usually draw vermin. The beds composed of the above compost should be well dug to a depth of fourteen inches, and raised from two to four inches above the level of the walks. Care must be taken not to press the earth too firmly around and over the bulbs. After planting, rake the bed smooth, and after the ground has frozen tolerably hard in early winter cover with dry litter, leaves or coarse manure.

**For Culture in Pots.**—Prepare the above compost, adding, if possible, a quantity of leaf mould. The most favorable time for planting is September, October and November. The size of the pot depends on the number of bulbs planted in a single one; three bulbs in a pot of, say, six inches diameter make a rich, massive effect; one or two bulbs in each may be planted in proportionately smaller pots—two bulbs in each are very effective. When planted, water them well, then bury the pots in the open ground to the depth of six inches for eight weeks, in which condition the preparatory root growth necessary to a vigorous development of their flower spikes is made. After this period remove the pots to a cool room. Being exposed to the light for the first time, care should be exercised not to place them in the direct rays of the sun for two or three days.

**For Growing in Glasses.**—Single varieties are the best for this purpose. Place the bulb in the glass, which should be filled with water so it touches the bottom of the bulb, place them in a cool place, in the dark, changing the water every ten days or two weeks; keep them in the dark for six to eight weeks, then remove them to the light. If then kept in a cool room they will produce very fine spikes. A small lump of charcoal prevents the water from getting foul.

### MINIATURE HYACINTHS

Although this type of Hyacinths is largely grown in pans or pots for decorative purposes, their splendid qualities as bedding bulbs should not be overlooked.

### Miniature Hyacinths (Continued)

If planted close together, say 4 to 6 inches apart, they produce a wonderful effect. Massed with other bulbs, as Crocus, Snowdrops, Tulips, etc., they are unsurpassed for their brilliancy. We are convinced that a trial of Miniature Hyacinths as bedding bulbs will give the greatest satisfaction.

### TULIPS

**For Bedding Out.**—The bed should be formed of a compost similar to that recommended for Hyacinths; the bulbs should be planted about four inches apart and about five inches deep (close planting makes a much finer effect and prevents the flowers breaking off when swaying in the wind); they should then be covered with a litter shortly before the severe freezing weather sets in, and left in this condition until spring approaches.

**For Pot or Pan Culture.**—Plant about four bulbs in a six-inch pot or five bulbs in a six-inch pan, water thoroughly and then remove to the open ground or in a cold frame, covering with coal ashes; after they have rooted thoroughly they should be brought into a moderately cool room and gradually warmer; by bringing in a fresh supply from the outside every ten days, they can be had in bloom continually.

### NARCISSUS

The double and single trumpet varieties should be planted in soil, and treated similar to Hyacinths. Chinese Lilies and Paper White Narcissus, and the Polyanthus types, such as Grand Soleil d'Or, etc., etc., succeed very well if planted in water and pebbles. A small lump of charcoal prevents the water from getting foul, although changes of water are advisable.

### CROCUS

A real show can be obtained from these tiny bulbs. They will bloom in a few weeks from time of planting inside. Place a few bulbs, or as many as the size of crock will warrant. In a short space of time the bulb will make a grand display. Planted out in the open ground, they bloom among the first of the spring flowers.

### Distances for Planting apart some of the most important Bulbs outdoors

**Aconite.** 3 to 4 inches.  
**Anemone.** 8 to 10 inches.  
**Chionodoxa.** 4 to 5 inches.  
**Crown Imperials.** 1 foot to 15 inches.  
**Crocus.** 2 to 3 inches.  
**Colchicum.** 6 to 8 inches.  
**Daffodils.** 5 to 6 inches.  
**Dielytra.** 3 to 4 feet.  
**Hyacinths.** Bedding sorts, 5 to 6 inches.  
**Hyacinths (Grape).** 3 to 4 inches.  
**Iris, Japanese.** 2 to 3 feet.  
**Iris, Spanish.** 4 to 5 inches.  
**Iris, English.** 6 to 8 inches.  
**Ixias.** 3 to 4 inches.  
**Jonquils.** 3 to 4 inches.  
**Lilium Candidum.** 1 to 2 feet.  
**Lilium Japan Varieties.** 1 to 2 feet.  
**Lily of the Valley (Clumps).** 1 to 2 feet.  
**Paeonies.** 2 to 3 feet.  
**Ranunculus.** 4 to 5 inches.  
**Snowdrops.** 3 to 4 inches.  
**Scilla.** 3 to 4 inches.  
**Sparaxis.** 3 to 4 inches.  
**Spirea.** 1 to 2 feet.  
**Star of Bethlehem.** 5 to 6 inches.  
**Tulips.** 4 to 6 inches.

### Number of Bulbs required for Planting Circular Beds at distances noted below

Oval beds require very much the same number, although we will be glad to give the exact information whenever desired, also for other sized or shaped beds.

#### DISTANCES FOR PLANTING APART

DIAMETER OF BED	3 inches apart	4 inches apart	6 inches apart	8 inches apart	10 inches apart	12 inches apart
2 feet .....	61	37	19	....	....	....
3 " .....	127	95	37	....	....	....
4 " .....	217	127	61	37	24	19
5 " .....	331	225	91	69	37	25
6 " .....	469	271	127	78	52	37
7 " .....	631	410	169	96	71	48
8 " .....	817	469	217	127	85	61
9 " .....	1027	650	271	156	110	74
10 " .....	1261	721	331	190	127	91
11 " .....	1519	940	397	240	150	110
12 " .....	1801	1027	469	271	169	127
13 " .....	2107	1280	543	318	200	150
14 " .....	2437	1387	631	360	240	169
15 " .....	2791	1670	721	420	271	200
16 " .....	3169	1801	817	469	318	217
17 " .....	3571	2140	919	543	360	240
18 " .....	4037	2269	1027	590	390	271
19 " .....	4187	2640	1141	631	420	318
20 " .....	4961	2791	1261	721	469	331
21 " .....	5459	3210	1387	785	540	360
22 " .....	6981	3367	1519	817	590	397
23 " .....	7527	3870	1659	945	625	420
24 " .....	8097	4037	1801	1027	670	469
25 " .....	8691	4325	1951	1165	721	590



# 4 MICHELL'S SUPERB (FIRST SIZE) NAMED HYACINTHS

These bulbs are selected especially for our critical trade, and are the best to be obtained. Our customers may depend upon getting only the very choicest, as our list embraces such sorts as have won prizes at horticultural exhibitions.

**Note.**—To assist customers in selecting varieties that will bloom together, we have affixed the letters E. M. and L; signifying, E for early sorts, M for mid-season sorts, and L for late sorts.

## SINGLE RED.

	Each	Doz.	100
M Amy. Rich, brilliant red.....	\$0.10	\$1.00	\$7.00
E General Pelissier. Rich crimson.....	.10	1.00	7.00
L Koh-i-Noor. (Semi-double). Bright, very fine, large spike.....	.12	1.25	8.00
M Robert Steiger. Crimson, good spike....	.10	1.00	7.00
L Roi des Belges. Bright scarlet.....	.10	1.00	7.00

## SINGLE PINK.

E Baron von Thuyl. Light rose.....	.10	1.00	7.00
L Cardinal Wiseman. Rosy pink, large....	.10	1.00	7.00
M Gertrude. Fine, deep pink.....	.10	1.00	7.00
M Gigantea. Light, good truss.....	.10	1.00	7.00
M Maria Cornelia. Rose, very early.....	.12	1.20	8.00
M Moreno. Extra fine, deep pink.....	.10	1.00	7.00
M Norma. Flesh color, large bells.....	.10	1.00	7.00
E Queen of Pinks. Rich pink, enormous spike.....	.15	1.25	9.00
E Rosea Maxima. Fine, salmon pink.....	.10	1.00	7.00

## SINGLE WHITE.

E Alba Superbissima. Pure white.....	.10	1.00	7.00
E Angenis Christina. Pure white, very fine	.12	1.15	7.50
E Baroness von Thuyl. Pure white, early.	.10	1.00	7.00
M Grandeur a'Merveille. Blush white....	.10	1.00	7.00
M La Grandesse. Pure white.....	.15	1.25	9.00
M L'Innocence. Pure; extra fine.....	.15	1.25	9.00
M Mad. Van der Hoop. Pure white.....	.10	1.00	7.00
M Mont Blanc. Pure, early, large spike...	.15	1.25	9.00
M Queen of the Netherlands. Extra fine spike, pure white.....	.12	1.20	8.00

## SINGLE BLUE.

L Blue Mourant. Deep blue.....	.10	1.00	7.00
M Chas. Dickens. Porcelain.....	.10	1.00	7.00
M Czar Peter. Porcelain, large spikes....	.15	1.25	9.00
M Grand Maitre. Bright, very fine.....	.12	1.15	7.50
M Haydn. Violet, good spike.....	.10	1.00	7.00
L King of the Blues. Bright blue.....	.12	1.15	7.50
E Leonidas. Light, large truss.....	.10	1.00	7.00
E Potgieter. Light blue, large bells.....	.15	1.15	7.50
L Queen of the Blues. Porcelain.....	.15	1.25	9.00

## SINGLE YELLOW.

M Ball of Gold. Golden yellow, large compact spike.....	.10	1.00	7.00
M Yellow Hammer. Golden yellow broad truss.....	.15	1.25	9.00
L King of the Yellows. Bright.....	.12	1.20	8.00
M La Citroniere. Lemon.....	.10	1.00	7.00

Single bulbs mailed free. Add 15c. per doz. for postage.

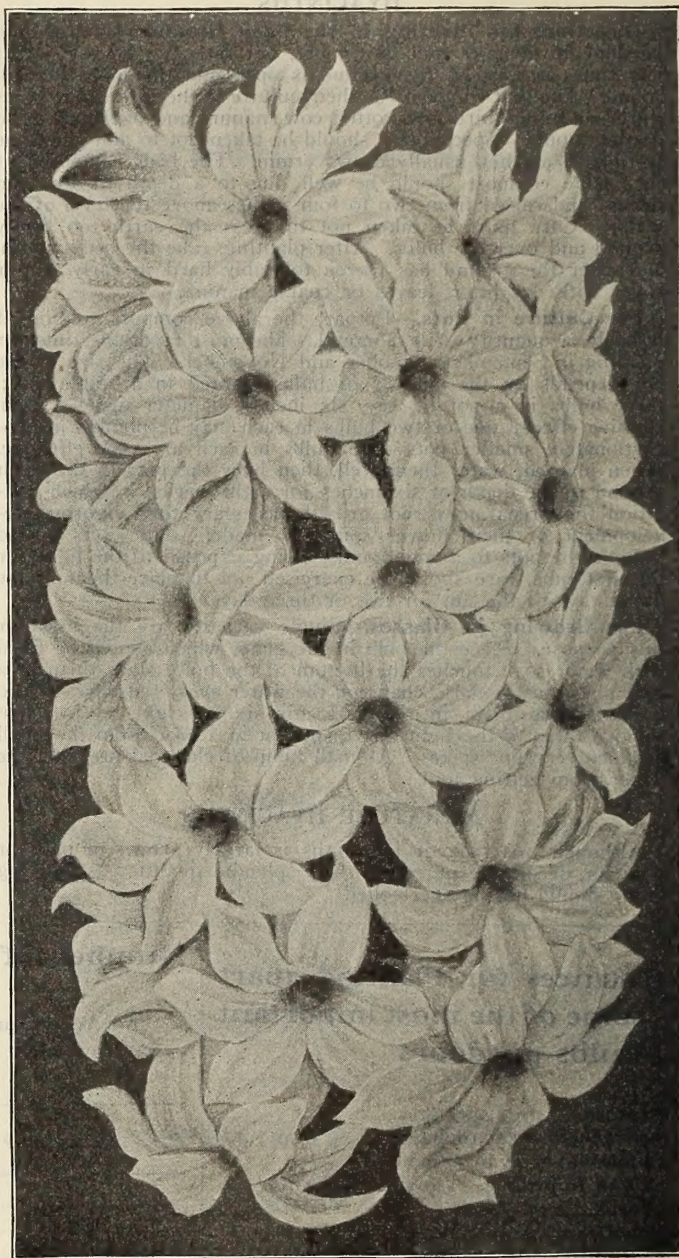
## SPECIAL VARIETIES OF HYACINTHS FOR GLASS CULTURE

Ball of Gold. Golden.  
Cardinal Wiseman. Pink.  
Czar Peter. Porcelain.  
Gertrude. Pink.  
Grand Maitre. Bright blue.  
King of the Blues. Deep.  
La Grandesse. Pure white.  
L'Innocence. White.  
Moreno. Deep pink.  
Roi des Belges. Red.  
Rosea Maxima. Pink.  
Yellow Hammer. Golden.

**SPECIAL OFFER**—One each of the above for \$1.00 (postpaid, \$1.15).

## HYACINTH GLASSES

Belgian (*see cut*). In the following colors: blue, green, white.  
20c. each; per doz., \$2.00; \$15.00 per 100.  
**Tye or Low Pattern.** Heavier than the above style but in the same colors. 20c. each; per doz., \$2.00; \$15.00 per 100.  
Hyacinth growing in glasses is practiced widely and is wonderfully successful.



Michell's First Size Hyacinth—Grand Maitre

## CHRISTMAS FORCING HYACINTHS—Single

These specially treated Hyacinths are peculiarly adapted for pot culture and early flowering. They can be made to bloom just at Holiday season, and for that reason their name. The bulbs, which are of medium size, produce large, well-formed spikes. We recommend each lover of flowers to try a few, as Hyacinths for Christmas are a most cheerful novelty. As the stock of these is rather limited, we advise early ordering.

L'Innocence. Pure white      Lady Derby. Rich pink.  
Garibaldi. Brilliant carmine.      Grand Lilas. Porcelain lilac.  
Gertrude. Bright pink.      Capt. Boyton. Porcelain blue.

Prices of any of the above Christmas Forcing Hyacinths 15c. each; per doz., \$1.25; \$7.00 per 100.

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates



**MICHELL'S SUPERB HYACINTHS** (Continued)**DOUBLE VARIETIES FIRST SIZE NAMED**

The Double Hyacinths, while grown by many, do not produce as large a spike as the single sorts. They should not be used for growing in glasses as there they are not entirely satisfactory. The sorts we offer have been chosen from a long list and can be depended upon to give good results.

**DOUBLE BLUE.**

	Each	Doz.	100
<b>Blocksberg.</b> Porcelain, large bells and spike.....	\$0.10	\$1.00	\$7.00
<b>Garrick.</b> Deep, very good .....	.10	1.00	7.00
<b>Mignon Van Dryfhout.</b> Light, large bulb and spike .....	.10	1.00	7.00
<b>Rembrandt.</b> Porcelain, a grand sort .....	.10	1.00	7.00

**DOUBLE RED AND PINK.**

<b>Bouquet Royal.</b> Salmon pink, red centre .....	.10	1.00	7.00
<b>Bouquet Tendre.</b> Dark red, large spike .....	.10	1.00	7.00
<b>Czar Nicholas.</b> Pink, large truss .....	.10	1.00	7.00
<b>Gladstone.</b> Beautiful pink .....	.12	1.20	8.00
<b>Lord Wellington.</b> Pink, large truss, the finest.....	.12	1.20	8.00
<b>Prince of Orange.</b> Dark pink, large spike .....	.10	1.00	7.00

**DOUBLE WHITE.**

<b>Flevo.</b> Pure, fine truss .....	.10	1.00	7.00
<b>La Tour de Auvergne.</b> Pure, perfect spike, early...	.10	1.00	7.00
<b>La Virginite.</b> Cream white .....	.10	1.00	7.00
<b>Prince of Waterloo.</b> Pure white, extra large.....	.12	1.20	8.00

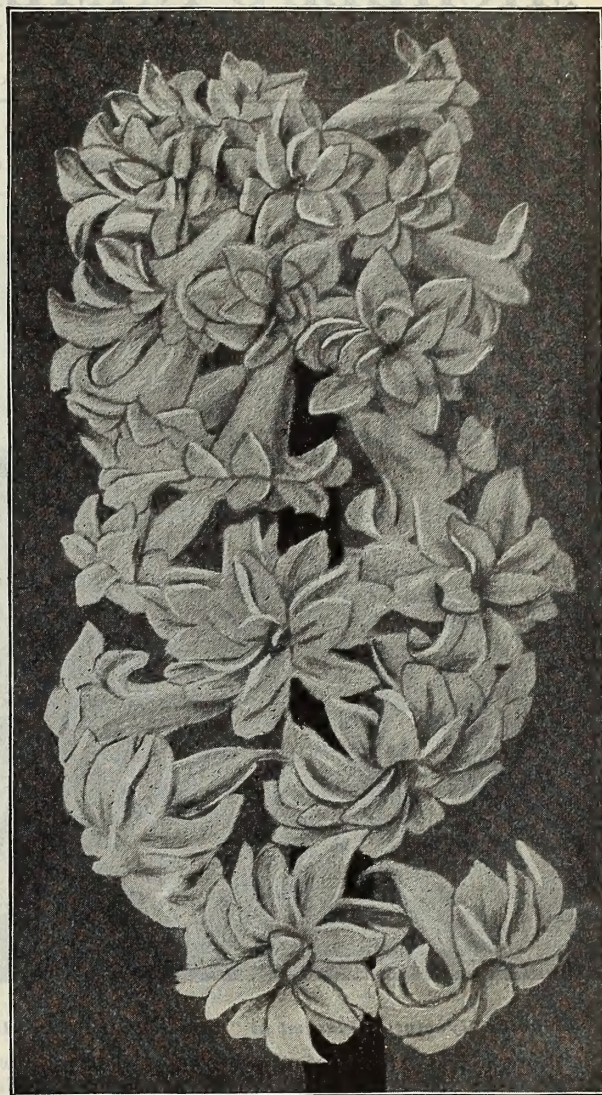
**DOUBLE YELLOW.**

<b>Bouquet de Orange.</b> Orange salmon .....	.10	1.00	7.00
<b>Goethe.</b> Rich light yellow .....	.10	1.00	7.00
<b>Minerva.</b> Very fine truss, orange yellow .....	.10	1.00	7.00

Single Bulbs mailed free. (Add 15c. per dozen for mailing.)

**NAMED EXHIBITION HYACINTHS**

Every year we have our most reliable grower make us a selection of the largest possible Hyacinth Bulbs to be obtained. He usually scours the entire bulb-growing district of Holland to find them. In past years they've been so sought after that we rarely have enough to meet demands; so order early. We offer them in single varieties only, our selection. 20c. each; per doz., \$2.00; \$15.00 per 100.



*Michell's First Size Named Double Hyacinth  
Lord Wellington*

**MINIATURE OR PAN HYACINTHS**

This type of hyacinth is largely grown in pans for window decoration, etc. The trusses are magnificent and frequently almost as large as the regular hyacinths. We offer choice named sorts which are extra fine.

**SINGLE BLUE SORTS.**

	Each	Doz.	100
<b>Chas. Dickens.</b> Porcelain .....	\$0.05	\$0.45	\$3.00
<b>Grand Maitre.</b> Bright blue .....	.05	.45	3.00
<b>King of the Blues.</b> Bright blue..	.05	.45	3.00
<b>Lord Derby.</b> Light blue .....	.05	.45	3.00

**SINGLE PINK AND RED SORTS.**

<b>Cardinal Wiseman.</b> Rosy pink...	.05	.45	3.00
<b>Chas. Dickens.</b> Light pink .....	.05	.45	3.00
<b>Gertrude.</b> Deep pink .....	.05	.45	3.00
<b>Gigantea.</b> Light pink .....	.05	.45	3.00
<b>Moreno.</b> Deep pink .....	.05	.45	3.00
<b>Roi des Belges.</b> Bright scarlet...	.05	.45	3.00

**SINGLE WHITE SORTS.**

<b>Albertina.</b> Pure White .....	.05	.45	3.00
<b>La Grandesse.</b> Fine, pure white...	.05	.50	3.00
<b>Mad. Van der Hoop.</b> Pure white large bells .....	.05	.50	3.00



*Michell's Dutch Roman, Pan, or Miniature Hyacinths*

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.



# MICHELL'S NAMED HYACINTHS FOR FORCING AND High-Class BEDDING

Of late years the Named Hyacinths have gained wide prominence for bedding; they are ideal on account of their flowering at one time, being all one height and uniform in appearance. The varieties offered on this page, while Second Sized Named Varieties, are especially recommended where the above effect is desired.

**OUR SELECTION** of Named Varieties with your choice of color \$5.25 per 100; per 1000, \$46.00



*MicHELL's Hyacinths Planted in "Capital Hill Park," Harrisburg, Pa.*

**Note**—To assist customers in selecting varieties that will bloom together, we have affixed the letters E, M, L, signifying E for early, M for mid-season, L for late.

## SINGLE RED HYACINTHS

	Each	Doz.	100	1000
L Koh-i-Noor (Semi-double). Bright...	\$0.08	\$0.80	\$5.50	\$48.00
M Queen of Hyacinths. Scarlet.....	.08	.80	5.50	48.00
M Robert Steiger. Crimson, compact truss	.08	.80	5.50	48.00
L Roi des Belges. Bright scarlet.....	.08	.80	5.50	48.00

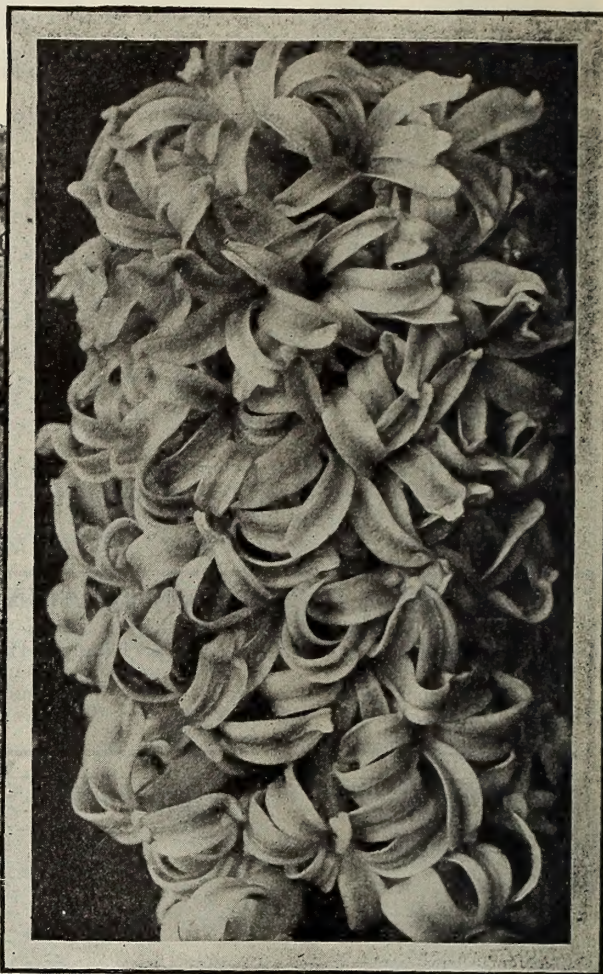
## SINGLE WHITE HYACINTHS

E Alba Superbissima. Pure white.....	.08	.80	5.50	48.00
E Baroness von Thuyl. Pure white.....	.08	.80	5.50	48.00
M Grandeur a'Merveille. Blush white...	.08	.80	5.50	48.00
M La Grandesse. Pure white.....	.08	.80	5.50	48.00
M L'Innocence. Pure.....	.08	.80	5.50	48.00
M Mad. Vander Hoop. Pure.....	.08	.80	5.50	48.00
M Mont Blanc. Fine, pure white.....	.08	.80	5.50	48.00
M Queen of the Netherlands. Pure.....	.08	.80	5.50	48.00

## SINGLE YELLOW HYACINTHS

M Herman. Orange.....	.08	.80	5.50	48.00
M Ida. Bright, yellow.....	.08	.80	5.50	48.00

We cannot impress too strongly upon the necessity of ordering Hyacinths (and other bulbs) as early as possible. By doing so you get the best selection. **Order before November the 15th** if possible; orders received later, however, will receive our usual careful attention.



## SINGLE BLUE HYACINTHS

	Each	Doz.	100	1000
E Baron von Thuyl. Deep blue.....	\$0.08	\$0.80	\$5.50	\$48.00
M Blue Mourant. Deep blue.....	.08	.80	5.50	48.00
L Chas. Dickens. Porcelain.....	.08	.80	5.50	48.00
M Czar Peter. Porcelain.....	.09	.80	5.50	48.00
M Grand Maitre. Bright.....	.08	.80	5.50	48.00
L King of the Blues. Bright.....	.08	.80	5.50	48.00
E Leonidas. Light.....	.08	.80	5.50	48.00

## SINGLE PINK HYACINTHS

E Baron von Thuyl. Light rose.....	.08	.80	5.50	48.00
E Cardinal Wiseman. Rosy pink.....	.08	.80	5.50	48.00
M Chas. Dickens. Light, large spike....	.08	.80	5.50	48.00
M Gertrude. Deep pink.....	.08	.80	5.50	48.00
E Gigantea. Light.....	.08	.80	5.50	48.00
E Marie Cornelia. Rose, fine variety....	.08	.80	5.50	48.00
M Moreno. Deep pink.....	.08	.80	5.50	48.00
E Queen of Pinks. Rich pink.....	.08	.80	5.50	48.00
E Rosea Maxima. Salmon pink.....	.08	.80	5.50	48.00

Single bulbs mailed free. Add 10c. per dozen for mailing.

## Special Offer of Named Bedding Hyacinths

To popularize these bedding bulbs, we offer in our selection of varieties with your choice of color **delivered free within 100 miles of Philadelphia.** Refer to page 6 when ordering.

25 Named Hyacinths...	\$1.35	50 Named Hyacinths...	\$2.65
100 " " " " " "	5.25	250 " " " " " "	12.50
500 " " " " " "	23.50	1000 " " " " " "	46.00

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.





A Spring flower-effect in the Italian gardens of Mr. P. A. Widener, "Lynnewood Hall," Ogontz, Pa., planted with Michell's Bulbs

## MICHELL'S CHOICE BEDDING HYACINTHS

### UNNAMED SORTS

In the following hyacinths we offer something very choice either for bedding or for pot culture. Where bedding of hyacinths is to be done in large quantity we can particularly recommend them on account of their low cost, the length of time they remain in flower, and because of their handsome effect.



Michell's Monster White Roman Hyacinths

### SINGLE VARIETIES.

	Each	Doz.	100	1000
Red. All shades, including pink.	\$0.05	\$0.45	\$3.25	\$30.00
White. All shades of white.	.05	.45	3.25	30.00
Blue. All shades	.05	.45	3.25	30.00
Yellow. All shades	.05	.45	3.25	30.00
Pink	.05	.45	3.25	30.00
Dark Red	.05	.45	3.25	30.00
Pure White	.05	.45	3.25	30.00
Blush White	.05	.45	3.25	30.00
Light Blue	.05	.45	3.25	30.00
Dark Blue and Purple	.05	.45	3.25	30.00
Mixed. All colors	.04	.40	2.85	27.00

### DOUBLE VARIETIES.

Red. All shades, including pink.	.05	.50	3.25	30.00
Pink	.05	.50	3.25	30.00
Pure White	.05	.50	3.25	30.00
Blue. All shades	.05	.50	3.25	30.00
Yellow	.05	.50	3.25	30.00
Mixed. All colors	.05	.45	3.10	28.50

## ROMAN HYACINTHS

French Roman Hyacinths afford a continuous supply of bloom from early winter until late in spring if planted in succession (two weeks apart). They are very fragrant. The blooms are suitable for most any kind of cut-flower work; they also look very attractive if planted in boxes or pots and used for window decoration. They are not hardy, consequently will not do for outdoor planting.

	Each	Doz.	100	1000
White. Selected size, 12 to 13 ctm.	\$0.05	\$0.50	\$3.50	\$32.50
" Extra select size, 12 to 15 ctm.	.06	.65	4.25	37.50
" Mammoth, 13 to 15 ctm.	.07	.75	5.00	45.00
" Monster, 15 ctm. and over	.08	.90	6.00	55.00
Light Pink	.05	.50	3.25	30.00
Dark Pink	.05	.45	3.00	27.50
Dark Blue	.05	.45	3.00	27.50
Light Blue	.05	.50	3.25	30.00
Italian. Late white, large spikes.	.05	.50	3.00	28.00

If wanted by mail, please add 10c. per doz. for postage.

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates



# MICHELL'S SINGLE EARLY TULIPS FOR FORCING and BEDDING

To assist customers in making selections, we have affixed a figure in front of the varieties denoting the approximate height where grown under same conditions; the comparative blooming time so that such selected. V, means very early E, means early L, means late.

also one of the following letters V—E—M—L to indicate sorts as flower together may be easily early M, means mid-season



Inches high	RED AND SCARLET VARIETIES.		
	Doz.	100	1000
8 M <b>Artus.</b> Bright scarlet, for bedding....	\$0.25	\$1.40	\$11.00
10 M <b>Belle Alliance.</b> Brilliant scarlet, for either forcing or bedding .....	.30	2.00	18.00
10 L <b>Cardinal's Hat.</b> Deep brownish red, for bedding .....	.25	1.35	10.00
10 M <b>Couleur de Cardinal.</b> Bronze scarlet, a large well-shaped flower with long stems, excellent for forcing or bedding .....	.35	2.25	21.00
9 M <b>Crimson King.</b> Crimson red, good for bedding or forcing .....	.25	1.25	10.00
10 M <b>Cramoise Brilliant.</b> Fine scarlet, good forcer and a showy bedder .....	.30	1.50	13.25
7 V <b>Duc Van Tholl, Scarlet,</b> for forcing or bedding .....	.30	1.75	15.00
7 V <b>Duc Van Tholl, Crimson,</b> for forcing or bedding .....	.25	1.35	12.00
10 E <b>Grace Darling.</b> Very large globular flower with broad petals, fiery scarlet, good for bedding and forcing .....	.50	3.00	27.50
12 E <b>Maas.</b> Rich scarlet, for bedding only, lasting well during warm weather... ..	.45	2.50	22.50
8 L <b>Greigii.</b> Brilliant orange scarlet, tremendous flower, called the Queen of Tulips, for bedding only (15c. each) ..	1.25	8.00	
12 E <b>Pottebaker.</b> Scarlet, for bedding ....	.30	2.00	17.00
12 M <b>Prince of Austria.</b> Orange scarlet, for either forcing or bedding, very sweet scented .....	.35	2.00	17.50
12 M <b>Vermilion Brilliant.</b> The richest scarlet, for forcing or bedding, very large flower .....	.45	2.75	24.00

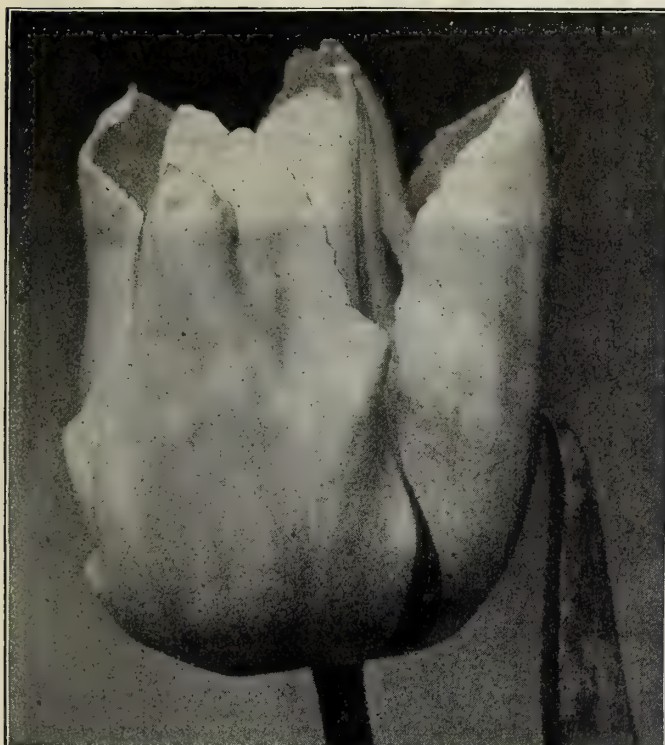
Inches high			
	Doz.	100	1000
14 M <b>Thos. Moore.</b> Apricot orange, fine shaped flower, the best of its color, for either forcing or bedding.....	\$0.25	1.25	\$10.00
<b>Unnamed Red in all shades.....</b>	.25	1.25	10.50
<b>PINK VARIETIES.</b>			
8 M <b>Cottage Maid.</b> Pink and white, a beautiful combination; one of the grandest for either forcing or bedding.....	.25	1.50	12.50
7 V <b>Duc Van Thol.</b> Pink, for forcing or bedding .....	.25	1.75	14.00
10 M <b>Flamingo (Pink Hawk).</b> Fine forcer, excellent flower, good keeper .....	.50	3.50	30.00
10 E <b>Pink Beauty (New).</b> The most superb and largest pink Tulip in existence; splendid bedder and forcer.....	.60	4.25	37.50
12 E <b>Princess Wilhelmina.</b> Brilliant deep rose blushed white on the outer petals ..	.30	2.00	17.00
10 E <b>Proserpine.</b> Fine glossy pink, very large, forces early, excellent also for bedding, makes a grand show.....	.45	2.75	26.00
10 E <b>Queen of the Netherlands.</b> Beautiful soft pink, fine for forcing, one of the largest and finest .....	.35	2.25	20.00
9 M <b>Rachel Ruisch.</b> Pink, for bedding only ..	.25	1.50	12.50
9 M <b>Rose Grisdelin.</b> Delicate rose, flushed white, for forcing or bedding; our stock is excellent .....	.20	1.00	10.00
9 M <b>Rose Luisante.</b> Brilliant deep pink, large flower for forcing and bedding ..	.45	2.75	25.00
9 M <b>Rosa Mundi.</b> Rose pink, flushed white, for bedding .....	.25	1.25	10.00
<b>Unnamed Pink in all shades.....</b>	.20	1.15	9.50

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.



# MICHELL'S SINGLE EARLY TULIPS FOR FORCING AND BEDDING

The figure in front of variety denotes height, the letters signify as follows: V very early, E early, M mid-season, L late.



*Early Single Tulip Joost Van Vondel. White*

## WHITE VARIETIES

7 V Duc Van Thol ( <i>Maximus</i> ). White, fine forcer	Doz.	100	1000
	\$0.25	\$1.50	\$12.50
8 E Jagt Von Delft. Pure white, for bedding	.25	1.40	11.00
9 E Joost Van Vondel, White. A real exhibition variety; has no superior for either forcing or bedding	.45	3.00	27.50
10 M La Reine. Pure white, fine for forcing, at times it shows a delicate shade of pink	.20	1.25	10.50
8 E L'Immaculee. Pure white, early, for bedding	.20	1.25	10.00
12 E Pottebakker White. Pure white, for bedding	.30	1.00	17.50
10 M White Hawk ( <i>Albion</i> ). Pure white, one of the best forcing and bedding sorts; when forced slowly the bloom is of tremendous size and substance.	.35	2.25	18.50

## Unnamed White Varieties

## VARIEGATED OR TWO COLORED VARIETIES

9 E Couleur Ponceau. White and red, for bedding	Doz.	100	1000
	\$0.25	\$1.40	\$11.00
7 V Duc Van Tholl. Gold striped, for forcing or bedding	.25	1.40	12.00
7 V Duc Van Tholl. Red and yellow, for forcing or bedding	.25	1.50	13.00
8 M Grand Master of Malta. Red and white, for bedding	.35	2.25	18.50
9 E Joost Van Vondel. Glossy red, striped white, bedding	.35	2.00	17.00
15 M Kaiserkroon. Brilliant red with distinct wide golden border; one of the finest tulips in existence; the peer of its color; for either forcing or bedding	.30	1.75	15.00
9 M Royal Standard Silver. White, striped crimson; bedding	.35	2.00	18.50
10 M Duchesse de Parma. Orange scarlet, suffused yellow edge; for bedding...	.25	1.40	12.50

## YELLOW VARIETIES

10 E Canary Bird. Pure golden yellow, for forcing or bedding	Doz.	100	1000
	\$0.30	\$1.50	\$12.50
10 M Chrysolora. Golden yellow, for bedding; this is one of the best; large flower	.25	1.40	11.00
7 V Duc Van Tholl. Yellow, for forcing and bedding	.35	2.00	18.00
9 E Gold Finch. Sweet scented, golden yellow, forces early; flower a good keeper	.30	1.50	14.00
10 E Mon Tresor. Golden yellow, large flower; one of the best for forcing or bedding	.35	1.80	15.00
10 E Ophir d'Or. Golden yellow; fine bedder; enormous flower	.30	1.75	15.00
12 E Pottebakker Yellow. For bedding only	.30	1.75	14.00
10 M Yellow Prince. Golden yellow; fine forcer	.25	1.40	11.00
Unnamed, all Shades of Yellow	.20	1.15	9.50

## VIOLET OR BLUE VARIETIES

9 M Wouverman. Purple violet, for bedding	.50	3.25	30.00
---	-----	------	-------

## SINGLE UNNAMED TULIPS (For Bedding only)

These make a fine effect where a solid color is desired, and their cost is not so much as the named varieties, although the colors are made up from the named sorts.

	Doz.	100	1000
Pink in all shades	\$0.20	\$1.15	\$9.50
Red in all shades	.25	1.25	10.50
White in all shades	.20	1.15	9.50
Yellow in all shades	.20	1.15	9.50

## SINGLE EARLY TULIPS IN MIXTURE

Our mixtures of Tulips have long been noted for their brilliancy, proper blending and variety of color. We use only the largest flowering named sorts, and our customers may depend on getting something extraordinary.

	Doz.	100	1000
Fine Quality, all colors	\$0.15	\$0.80	\$7.00
Superfine Quality, all colors	.20	1.00	8.75



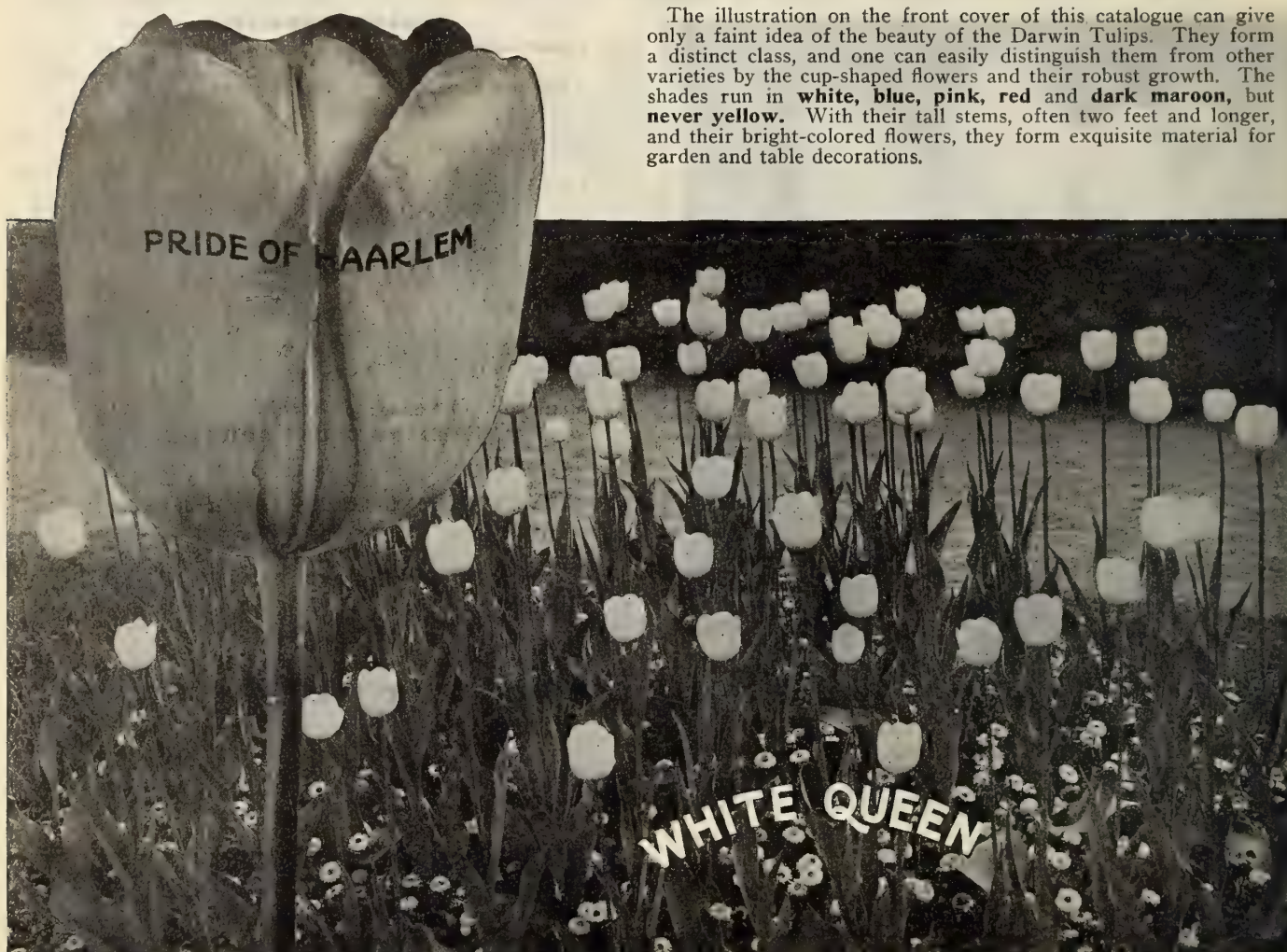
*Early Single Show Tulip. Pink Beauty*

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.



# MICHELL'S MAY-FLOWERING DARWIN TULIPS

The illustration on the front cover of this catalogue can give only a faint idea of the beauty of the Darwin Tulips. They form a distinct class, and one can easily distinguish them from other varieties by the cup-shaped flowers and their robust growth. The shades run in **white, blue, pink, red and dark maroon**, but **never yellow**. With their tall stems, often two feet and longer, and their bright-colored flowers, they form exquisite material for garden and table decorations.



A combination of Darwin Tulips intermingled with plantings of Hardy English Daisy, Pansies, Violas or Forget-Me-Nots, make a cheerful Spring show

For massing, bedding or border planting the Darwins are hard to equal. They bloom at a season when early bulbous flowers have gone and before the majority of spring perennials and shrubbery come into bloom.

The varieties marked with an asterisk (\*) are adapted for forcing, in which case they require a rich soil and only a moderate heat. They will not stand forcing when handled like early varieties of tulips.

Please note that there are no yellow-colored Darwins. This color, however, may be easily selected from the list of Cottage Garden Tulips. (See page 12.)

The varieties we offer are a selection of the most beautiful shades and colors which will give the greatest satisfaction. The figures in front of the variety denote the approximate height in inches when in bloom outdoors.

\*24 **Baronne de la Tonnaye**. Vivid rose. One of the most beautiful varieties. The flowers are large, well formed and keep their brightness to the last. The best bedding variety in cultivation, but also a splendid forcer. 50c. per doz.; per 100, \$3.75; \$32.50 per 1000.

\*20 **Clara Butt**. Delicate salmon pink. Its perfect shape and lovely color make it a real beauty. It is a good bedder and a splendid forcer. 60c. per doz.; per 100, \$4.00; \$37.50 per 1000.

\*22 **Europe**. Brilliant red, with white, showy centre. One of the showiest bedders and a good forcer. 60c. per doz.; per 100, \$4.00; \$35.00 per 1000.

\*24 **Mr. Farncombe Sanders**. Brilliant scarlet, with a white centre. Giant flowering. One of the showiest of all Darwins. Good forcer. 75c. per doz.; per 100, \$5.00; \$45.00 per 1000.

23 **Glow**. Scarlet, margined white, blue centre. 55c. per doz.; per 100, \$3.75; \$35.00 per 1000.

## Testimonial

Smith Mill, Pa.

*The Bulbs bought from you last fall proved magnificent specimens.*

MRS. WM. H. EDWARDS.

## Testimonial

Pontiac, Ill.

*All Bulbs we have received from you in the past have been A1.*

W. J. MILLER & SON.



# MICHELL'S MAY-FLOWERING DARWIN TULIPS

\*18 **Gretchen.** A most attractive variety of a soft salmon-rose color. Splendid for cutting. Good bedder and excellent forcer. 40c. per doz.; per 100, \$2.75; \$25.00 per 1000.

\*18 **Harry Veitch.** Crimson violet, with white centre. An early forcer. 50c. per doz.; per 100, \$2.75; \$25.00 per 1000.

18 **Kate Greenaway.** White, spotted lilac. Strong, stiff stems, holding the flower erect, make it one of the best bedders. 50c. per doz.; per 100, \$3.00; \$27.50 per 1000.

20 **May Queen.** Soft rose. Very large flower. Splendid bedding variety. 45c. per doz.; per 100, \$3.00; \$27.50 per 1000.

22 **Nora Ware.** Dainty silvery lilac, shaded bronze; white base. Flowers are very large, on stiff stems, making it an ideal variety for cutting. 60c. per doz.; per 100, \$4.00; \$35.00 per 1000.

\*24 **Pride of Haarlem.** Brilliant rosy carmine. This is one of the most popular varieties of Darwin. The size of the flowers is immense, having usually more than six petals, giving them the appearance of Double Tulips. Excellent forcer. 60c. per doz.; per 100, \$4.00; \$35.00 per 1000.

\*18 **Rev. H. Ewbank.** Light heliotrope. Rather dwarf variety; a splendid bedder. For forcing we recommend this variety very strongly, as it stands forcing splendidly and produces large flowers of a very pleasing color. 75c. per doz.; per 100, \$5.00; \$45.00 per 1000.

20 **Sultan.** Very dark maroon, almost black. Undoubtedly the best of the dark varieties. The strong stems hold the flowers erect and make it an excellent bedder. 45c. per doz.; per 100, \$2.75; \$25.00 per 1000.

22 **White Queen.** Can be called the only white Darwin. It opens rosy white, but passes off pure white. One of the most popular varieties. 50c. per doz.; per 100, \$3.50; \$30.00 per 1000.

24 **William Pitt.** Brilliant carmine. One of the largest and grandest of the Darwins. Its perfect shape and lovely color rival with each other to make it a real beauty. 60c. per doz.; per 100, \$4.00; \$32.50 per 1000.

**Darwin mixed, all colors.** A great variety of all colors and shades. 25c. per doz.; per 100, \$1.50; \$12.00 per 1000.



Plantings of Darwin Tulips at "Coolkenny," Haverford, Pa., the Country Estate of Thos. P. Hunter, Esq.

## Testimonial on Darwin Tulips

"Coolkenny," Haverford, Pa.

*I wish you could see the gorgeous show in our gardens made by the Darwin Tulips procured from you.*

JOS. HURLEY,

Superintendent to Thos. P. Hunter, Esq.

## Testimonial from China

Dairen, Manchuria.

*I beg to inform you that the Bulbs which I ordered from you arrived this morning per parcel post. They reached me in splendid condition, and I offer you my best thanks.*

F. OYAMA.



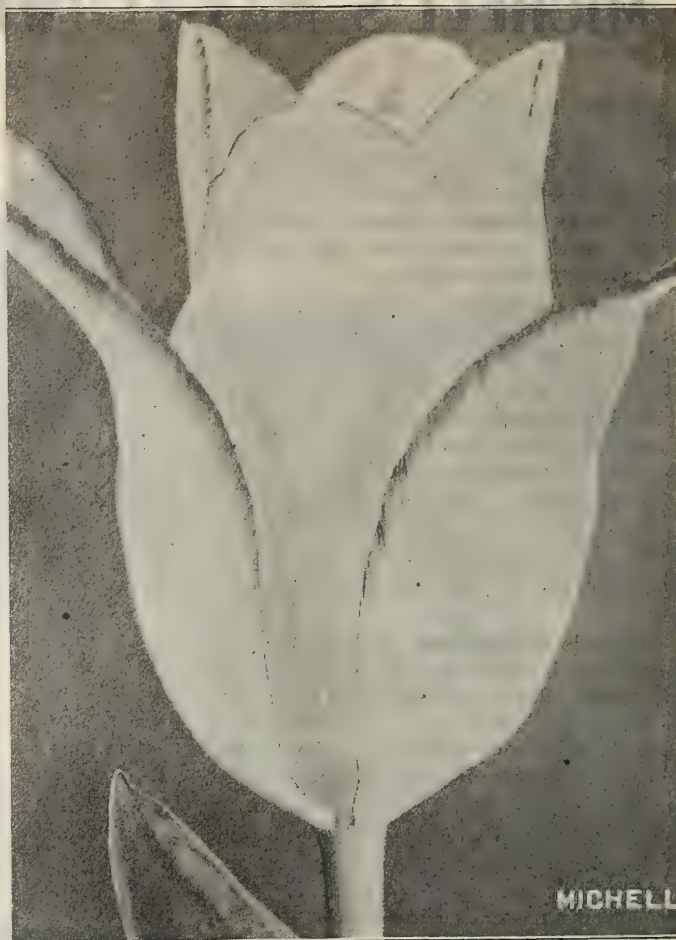
## 12 MICHELL'S COTTAGE GARDEN, LATE, OR MAY FLOWERING TULIPS

Nothing in horticulture has received so much comment in late years as the late flowering tulips. A few years ago where only hundreds were sold, the demand has now grown to hundreds of thousands. They well deserve the popularity they have gained, for no other of the spring flowering bulbs can approach them for brilliancy, beauty and usefulness. For planting in beds, massing in the perennial border or planting in clumps they are ideal. The very long stems make it possible to use them in most any kind of floral decoration; the flowers are shapely and many are very fragrant. The mixed types are desirable, yet we recommend the planting of named sorts if extra fine shows are wanted. (*All single except where noted.*)

- 10 **Blue Flag** (Double). A very pretty shade of violet blue, very odd, and should be included in every collection. 6c. each; per doz., 60c.; \$4.00 per 100; per 1000, \$35.00.
  - 18 **Bouton d'Or** (*Golden Beauty or Ida*). Color, a beautiful golden yellow; handsome perfect flower; grand for cutting. 3c. each; per doz., 30c.; \$1.50 per 100; per 1000, \$12.50.
  - 24 **Gesneriana Spathulata**. A brilliant scarlet, with blue-black centre. This is one of the finest late tulips in existence. 3c. each; per doz., 25c.; \$1.75 per 100; per 1000, \$15.00.
  - 24 **Gesneriana Rosea**. Very similar in character and growth to the above; the color, however, is a rich brilliant pink. 3c. each; per doz., 25c.; \$1.60 per 100; per 1000, \$13.00.
  - 18 **Golden Crown**. Flower very large, of a pure yellow color, with a narrow border of red, excellent for bedding or cutting. 3c. each; per doz., 25c.; \$1.50 per 100; per 1000, \$12.00.
  - 16 **Inglescombe Scarlet**. Brilliant vermilion, with black centre, excellent for cutting. 5c. each; doz., 45c.; \$3.00 per 100; per 1000, \$27.00.
  - 20 **Picotée** (*Maiden's Blush*). (See illustration opposite.) Color, white with a distinct rosy border; the finest late tulip. 4c. each; doz., 30c.; \$1.75 per 100; per 1000, \$14.00.
  - 24 **La Merveille**. Beautiful orange red. Each, 4c.; 30c. per doz.; per 100, \$1.75; \$15.00 per 1000.
  - 21 **Rosalind**. A bright cherry pink, pure white at base. 4c. each; 30c. per doz.; per 100, \$1.75; \$15.00 per 1000.
  - 12 **Sarah Bernhardt** (*Hobbema or Le Reve*). Exquisite soft rose shaded apricot; a delightful combination. 8c. each; doz., 75c.; \$5.00 per 100; per 1000, \$45.00.
  - 18 **Shandon Bells** (*Blushing Bride, or Isabella*). A beautiful carmine, shaded creamy white, a very pretty contrast. 4c. each; per doz., 30c.; \$1.75 per 100; per 1000, \$15.00.
  - 20 **Striped Beauty** (*Summer Beauty*). Rose, flaked crimson and white, a large and showy flower. 5c. each; per doz., 50c.; per 100, \$3.25; \$30.00 per 1000.
- Mixed in all colors. 25c. doz.; per 100, \$1.50; \$12.00 per 1000.



Parrot or Dragon Tulip Gloriosa



Late Tulip Picotée

### PARROT OR DRAGON TULIPS

They are curiously curled and crested. They are fine for bedding and border planting, also useful as a cut flower, keeping well for some time when placed in water. They are very fragrant, and grow about 12 in. high. We offer first size bulbs only in Parrot Tulips, of which the majority will bloom.

**Constantinople**. Orange scarlet, with black markings in centre.

**Gloriosa**. A very showy orange and red sort, petal very broad.

**Lutea Major**. Very large, bright yellow.

**Markgraaf of Baden**. Large yellow, striped scarlet and green.

**Preciosa**. Scarlet, slightly striped yellow.

Price of any of the above-named Parrot Tulips, 30c. doz.; per 100, \$1.75; \$15.00 per 1000.

**Mixed** in all colors. This mixture is carefully blended and contains only the choicest sorts. Per doz., 20c.; \$1.25 per 100; per 1000, \$10.00.

### LATE TULIPS IN MIXTURES

(All single except where noted.)

**Bizarres**. A peculiar combination of colors, principally yellow ground with markings and stripings of red, white and orange. 3c. each; per doz., 25c.; \$1.40 per 100; per 1000, \$11.00.

**Bybloemen**. A wide range of shadings and combinations of white, scarlet, pink and crimson. 3c. each; per doz., 25c.; \$1.40 per 100; \$11.50 per 1000.

**Darwin's**. A most interesting class, covering a wide range of colors. 3c. each; per doz., 25c.; \$1.50 per 100; per 1000, \$12.00.

**Single Superfine Mixed**. We can recommend these highly for planting in places where a fine show is desired. 3c. each; per doz., 25c.; \$1.50 per 100; per 1000, \$12.00.

**Double Superfine Mixed**. In all colors. Many prefer the double tulips as they last longer than the single sorts. 3c. each; per doz., 25c.; \$1.25 per 100; per 1000, \$10.00.

Single bulbs mailed free. Please add 6c. per doz. for postage.

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates



## MICHELL'S EARLY DOUBLE TULIPS

Double Tulips are used very extensively for forcing, but are equally valuable for bedding purposes. They remain in flower longer than do the single sorts on account of their substance, although they do not make quite as fine a show. They should not be planted in beds with single tulips, as they do not bloom as early as the single sorts. The number prefixed before the variety denotes the approximate height.

	Doz.	100	1000
10 <b>Couronne d'Or.</b> A handsome rich yellow variety; grand forcer.....	\$0.40	\$2.50	\$20.00
10 <b>Couronne des Roses.</b> Bright pink; early forcer.....	.50	3.25	28.00
7 <b>Duc van Tholl.</b> Red and yellow for bedding or late forcing.....	.20	1.25	10.00
9 <b>Duke of York.</b> Red with white border; for bedding only.....	.25	1.50	12.00
9 <b>Gloria Solis.</b> Bright scarlet with deep yellow border; excellent for bedding or forcing.....	.30	2.00	17.00
9 <b>Imperator Rubrorum.</b> Brilliant scarlet; especially adapted to forcing; also fine for bedding.....	.40	2.25	19.00
8 <b>Cochineal.</b> Brilliant scarlet; splendid bedder and forcer.....	.40	2.50	22.00
8 <b>La Candeur.</b> Very large, pure white; for forcing or bedding....	.25	1.50	13.50
8 <b>Le Blason.</b> Bright pink; for bedding only.....	.30	1.60	14.00
7 <b>Murillo.</b> Superb bluish white, turning to beautiful pink; one of the best forcers.....	.30	1.50	12.50
8 <b>Paeony Red.</b> Very dark scarlet, blooms very late, and is a good companion to Yellow Rose; it will not force.....	.30	1.50	14.00
8 <b>Rex Rubrorum.</b> Deep scarlet; for forcing or bedding.....	.30	2.00	17.50
8 <b>Rose Blanche.</b> Pure white; suitable for bedding or forcing.....	.30	1.50	12.50
8 <b>Salvator Rosa.</b> An improvement on Murillo; grand forcer.....	.35	2.25	21.00
8 <b>Tea Rose.</b> Salmon yellow; exquisite.....	.75	4.50	42.50
8 <b>Toreador (New).</b> A handsome rich orange; a grand forcing variety..	.50	3.50	32.50
8 <b>Rubra Maxima.</b> Dazzling scarlet; good bedder and splendid early forcer.....	.30	2.00	18.00



Double Tulip—Salvator Rosa

	Doz.	100	1000
8 <b>Tournesol.</b> Red and yellow; for forcing and bedding.....	\$0.40	\$2.50	\$22.50
8 <b>Tournesol.</b> Pure deep yellow; forces readily and is most desirable for cutting or pan culture.....	.35	2.00	18.50
8 <b>Titian.</b> Red with a yellow border; good for bedding but not for early forcing..	.30	2.00	17.50
9 <b>Yellow Rose.</b> Blooms quite late outdoors, and should not be planted with any other sort but Paeony Red; it also will not force.....	.30	1.50	12.00
8 <b>Vuurbaak.</b> Magnificent large flowers, brilliant scarlet; splendid for forcing or bedding. 40c. doz.; per 100, \$2.40; \$21.00 per 1000.			

### DOUBLE UNNAMED TULIPS (Separate Colors)

These are very valuable for solid color bedding where no particular design is to be carried into effect and where expense is considered. At the low price offered any one can afford them and thus avoid mixtures. They will bloom evenly and make a fine show. Not suitable for forcing.

	Doz.	100	1000
<b>Pink,</b> in all shades.....	\$0.30	\$1.40	\$11.00
<b>Red,</b> in all shades.....	.30	1.50	12.00
<b>White,</b> in all shades.....	.30	1.40	11.00
<b>Yellow,</b> in all shades.....	.30	1.40	11.00

### MICHELL'S EARLY DOUBLE MIXED TULIPS

These mixtures are carefully blended with the choicest varieties taken from the named sorts. The bulbs are selected for size, and the mixture will produce a grand array of colors.

	Doz.	100	1000
<b>Fine Quality</b> .....	\$0.15	\$0.90	\$8.00
<b>Superfine Quality</b> .....	.20	1.25	10.00



Double Tulip—Couronne d'Or

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.





## MICHELL'S GIANT NAMED CROCUS

# MICHELL'S SPRING FLOWERING CROCUS

With the introduction of the newer improved Giant Named Crocus this flower has gained untold favor; for it is not only used as in olden days a decoration for lawns, but occupies a place as prominent as tulips; it is most effective in clumps of one color among shrubberies, in borders or garden beds, in fact it is a splendid pot bulb and may also be successfully grown in bowls of water, with moss or pebbles.

### NEW GIANT NAMED VARIETIES

Much improved in size, form and color and will please the most critical lover of crocus. They are the result of constant hybridizing.

**Julia Culp.** Gigantic flower of rich purple, blooms very late. 40c. per doz.; \$2.25 per 100; per 1000, \$20.00.

**Menado.** Pale lilac, striped white, immense bloom with orange anthers, extra fine flower. 40c. per doz.; per 100, \$2.25; \$20.00 per 1000.

**Pallas.** A very attractive combination of white with fine stripes of light lilac. The deep orange anthers give the flower an added beauty. 30c. per doz.; per 100, \$1.50; \$12.50 per 1000.

**Snow White.** The largest pure white Crocus now in existence; the large orange anthers contrast beautifully with the immaculate flowers. 40c. per doz.; per 100, \$2.00; \$18.00 per 1000.

### GIANT NAMED VARIETIES

	Doz.	100	1000
<b>Queen Victoria.</b> Pure white .....	\$0.15	\$0.90	\$8.00
<b>Baron von Brunow.</b> Deep blue .....	.15	.90	8.00
<b>Cloth of Gold.</b> Rich yellow, brown veins.....	.15	.85	7.00
<b>Cloth of Silver.</b> Silvery white, striped lilac..	.15	.85	7.00
<b>Mont Blanc.</b> Pure white .....	.15	.90	8.00

### GIANT NAMED VARIETIES (Continued)

	Doz.	100	1000
<b>Purpurea Grandiflora.</b> Fine purple .....	.15	.90	8.00
<b>Sir Walter Scott.</b> White, striped purple.....	.15	.90	8.00
<b>Giant Named Mixed</b> .....	.15	.80	7.00

### CROCUS IN SEPARATE COLORS

	Doz.	100	1000
<b>Blue and Purple</b> .....	\$0.12	\$0.65	\$6.00
<b>White</b> .....	.12	.60	5.50
<b>Striped</b> .....	.12	.60	5.50
<b>Yellow.</b> First size .....	.12	.60	5.50
<b>Yellow.</b> Mammoth size.....	.20	1.00	8.00
<b>Yellow.</b> Giant size.....	.25	1.35	12.00
<b>Mixed.</b> All colors.....	.10	.50	4.50

Dozen lots of Crocus mailed free. Add 10c. per 100 for postage.

### AUTUMN FLOWERING—CROCUS AND COLCHICUM

Effective, hardy bulbous plants, which flower in the autumn without foliage, the latter appearing the following spring. Very desirable, especially for hillsides and terraces. Plant early.

**Sativus (Saffron Crocus).** Purplish blue....\$0.25 \$1.50 \$12.50

**Speciosus.** Bright lavender, orange anthers. .20 1.25 10.00

**Colchicum Autumnale (Meadow Saffron).**

Different shades of lavender, purple and rose; height, 6 inches; very large bulbs.....5c. each .40 3.00 27.50

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.



# MICHELL'S SUPERB NARCISSUS



**Narcissus Emperor**

Height  
in inches

- F Ard Righ (Irish King).** A very showy variety, especially suitable for growing in pans or forcing; trumpet golden yellow, perianth light yellow; very early. 5c. each; doz., 45c.; \$3.00 per 100; per 1000, \$25.00.
- 12 F Bicolor Grandee.** Immense flowers, white broad perianth, beautiful yellow trumpet with frilled edge; one of the best for garden planting or forcing; very late. 4c. each; doz., 30c.; \$1.75 per 100; per 1000, \$14.50
- 18 F Bicolor Victoria.** An enormous flower of tremendous substance, robust habit; trumpet rich golden yellow, beautifully fluted; perianth creamy white, very broad; early.
- |                            | Each   | Doz.   | 100    | 1000    |
|----------------------------|--------|--------|--------|---------|
| <b>Large Bulbs</b> .....   | \$0.05 | \$0.40 | \$2.75 | \$23.50 |
| <b>Monster Bulbs</b> ..... | .07    | .70    | 4.50   | 40.00   |

Height  
in inches

- 18 F Emperor.** One of the best Narcissus in cultivation, for either outdoor or indoor culture. Entire flower is pure golden yellow. Both perianth and trumpet are very massive; mid-season.
- |                            | Each   | Doz.   | 100    | 1000    |
|----------------------------|--------|--------|--------|---------|
| <b>Large Bulbs</b> .....   | \$0.05 | \$0.40 | \$2.50 | \$22.50 |
| <b>Monster Bulbs</b> ..... | .07    | .60    | 4.00   | 35.00   |
- 18 F Empress.** This variety tallies exactly with the foregoing sort, except that the perianth is pure white and the trumpet golden yellow, making the flower extremely attractive; mid-season.
- |                            | Each   | Doz.   | 100    | 1000    |
|----------------------------|--------|--------|--------|---------|
| <b>Large Bulbs</b> .....   | \$0.05 | \$0.40 | \$2.50 | \$22.50 |
| <b>Monster Bulbs</b> ..... | .07    | .60    | 4.00   | 35.00   |

If wanted by mail add 12 c. per dozen for postage.

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.

## DAFFODILS and JONQUILS GIANT TRUMPET VARIETIES

Popularly known as

### Giant Jonquils

Having gigantic trumpets and massive perianths.

Without the Jonquils or Narcissus no garden is complete, and one must readily concede them the foremost place among bulbous flowers and they really deserve it, for with little care they succeed splendidly in open borders, or naturalized in woodlands, fields or lawns giving effects unequalled by any other flower. Perfectly hardy, they soon establish themselves and with their permanency increase in untold numbers. By using several varieties the flowering period can be extended into weeks. As a house bulb in winter they are indispensable, as their culture is of easiest possible and they never fail. They do not look well as single specimens in a pot, but are desirable if planted several in a pan.

The words Jonquils, Daffodils or Narcissus are often misapplied by amateurs and the result invariably spells disappointment.

Jonquil is a popular name given to all single Trumpet Narcissus, regardless of any other formation or class.

"Daffodils" is the name applied to all Double Narcissus.

The name "Narcissus" calls for the Poet Narcissus and its family, also the Paper White Narcissus or the Polyanthus variety.

Buyers can easily select their favorite varieties from under the different headings where we have described them.

**Note**—In describing Narcissus, Daffodils, etc., by "perianth" we mean the flower petals surrounding the cup or funnel; "Trumpets" is a word applied to the centre tube or funnel; "Cup" refers to a short cup-like formation in place of the funnel. To assist customers in making a selection we have affixed the height and time of flowering, the height in inches is denoted by figures; F indicates that a variety is suited for planting indoors for winter blooming.



# MICHELL'S SUPERB NARCISSUS (Continued)

## GIANT TRUMPET VARIETIES

Height  
in inches

15 F **Giant Princeps.** A very popular variety, being used extensively for naturalizing in woodlands or along streams; one of the best forcing sorts, being very early; perianth sulphur yellow, trumpet rich yellow. 3c. each; doz., 25c.; \$1.25 per 100; per 1000, \$10.00.

14 F **Glorious of Leiden.** Immense flowers of majestic appearance; very long, fluted trumpet, rich golden yellow; the perianth petals are very broad, overlapping each other gracefully; this variety deserves first place in any narcissus collection; late. Each, 20c.; \$1.75 per doz.; per 100, \$14.00.

18 F **Golden Spur.** A large striking variety of wonderful robust growth, unusually good for garden culture or forcing, very early and blooms freely; the entire flower is pure golden yellow, from which it derives its name.

	Each	Doz.	100	1000
--	------	------	-----	------

Large Bulbs (Dutch).....	\$0.04	\$0.40	\$2.50	\$22.00
Monster Bulbs (Dutch)....	.07	.60	4.00	35.00

**Golden Spur (Extra Early Forcing Strain).** Desirable for Christmas and New Year's flowering indoors; large bulbs. 5c. each; doz., 50c.; \$3.50 per 100; per 1000, \$30.00.

18 F **Henry Irving.** Perianth and trumpet are pure yellow; this variety is peculiarly adapted for border planting or naturalizing as well as for forcing and bedding for handsome effect; very early. 5c. each; doz., 40c.; \$2.25 per 100; per 1000, \$20.00.

14 F **Horsfieldi.** A most effective variety when planted in masses outdoors, particularly on account of the pure white perianth enlivened by a graceful, rich golden trumpet; splendid for cutting or house decoration; early. Each, 5c.; 50c. doz.; per 100, \$2.60; \$22.50 per 1000.

16 F **Madame de Graaff.** The best and largest of the pure white trumpet daffodils. When it first comes into flower it shows creamy white, changing to pure white as the flower matures. It is of robust habit and should be included in every collection of narcissus; late. Each, 20c.; \$1.75 per doz.; per 100, \$12.00.

15 F **Trumpet Major.** One of the best varieties for forcing or outdoor massing; both trumpet and perianth deep golden yellow; very early.

	Each	Doz.	100	1000
--	------	------	-----	------

Dutch-grown bulbs for out-

doors and forcing .....	\$0.03	\$0.25	\$1.50	\$12.00
-------------------------	--------	--------	--------	---------

**Trumpet Major (Christmas Flowering).** French-grown, for early forcing; produces medium-sized flowers with long stems.

Manmoth Bulbs.....	\$0.06	\$0.50	\$3.00	\$25.00
--------------------	--------	--------	--------	---------

12 **William Goldring.** Perianth pure white, trumpet which is very large is light canary yellow, a very distinct variety; mid-season. 4c. each; doz., 40c.; \$2.00 per 100; per 1000, \$17.50.



6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.



# MICHELL'S SUPERB NARCISSUS

## MEDIUM TRUMPET OR CUP VARIETIES

This class is more extensively used for bedding, naturalizing and border planting than others, largely on account of their low cost and because of the genuine satisfaction they always give for this purpose.



Single Narcissus (*Mrs. Langtry*).

Height  
in inches

- 14 F **Albicans** (*White Spanish Daffodil*). Creamy white perianth with a delicate yellow trumpet almost white; blooms early outdoor; suitable for moderate forcing. 5c. each; doz., 50c.; \$2.75 per 100; per 1000, \$22.50.

Height  
in inches.

- 20 F **Barrii Conspicuus**. A beautiful flower with large spreading yellow perianth; the crown or cup is orange scarlet; free bloomer, best suited to outdoor culture; can also be forced. 3c. each; per doz., 25c.; \$1.25 per 100; per 1000, \$10.00.
- 14 **Cynosure**. Primrose yellow perianth, orange shaded cup stained scarlet; this is one of the showiest in its class; a very free bloomer and is fine for cutting; recommended for outdoor planting in herbaceous borders and shrubbery; mid-season. 3c. each; doz., 25c.; \$1.25 per 100; \$9.00 per 1000.
- 14 **Figaro**. Graceful form, one of the largest in this class; the lemon yellow perianth is very broad petaled while the light yellow cup is richly shaded orange. This should be planted largely in every hardy border or any other spot where it can give a natural effect; midseason. 3c. each; doz., 25c.; \$1.25 per 100; per 1000, \$9.50.
- 6 F **Bulbocodium** (*Hoop Petticoat*). Flower when perfected resembles a hoop skirt of exquisite golden yellow; the diminutive blooms are exceedingly graceful and decorative, and whether grown in a pan or in clumps in the natural border or in a rockery it is undeniably pretty. The foliage is very small, almost invisible; a clump of these flowers has the appearance of a blaze of gold; late. 5c. each; doz., 45c.; \$2.75 per 100; per 1000, \$25.00.
- 12 **Stella**. One of the earliest varieties to bloom outdoors, for which purpose only it should be planted; tremendously free flowering; blooms are somewhat star-shaped, perianth white with a light yellow cup; fine for cutting; midseason. 3c. each; doz., 20c.; \$1.15 per 100; per 1000, \$9.00.
- 14 F **Leedsii Mrs. Langtry**. This is ideal for massing. Its color is distinct, being entirely pure white, is very attractive on account of its broad perianth; for planting either indoor or out, it always gives satisfaction; late. 3c. each; 25c. doz.; per 100, \$1.25; \$10.00 per 1000.
- 12 **Obvallaris** (*Tenby Daffodil*). Pure golden yellow, very distinct, for outdoor planting only; it is a small cupped variety; late. 4c. each; doz., 35c.; \$2.25 per 100; per 1000, \$18.00.
- 20 F **Sir Watkin** (*Giant Chalice Flower*). The flower is probably the largest in its class, measuring often 15 inches across; for moderate forcing as well as bedding on a large scale; it is pleasing and very free flowering; perianth lemon yellow, cup or crown deep yellow; very early. 4c. each; doz., 40c.; \$2.25 per 100; per 1000, \$20.00.

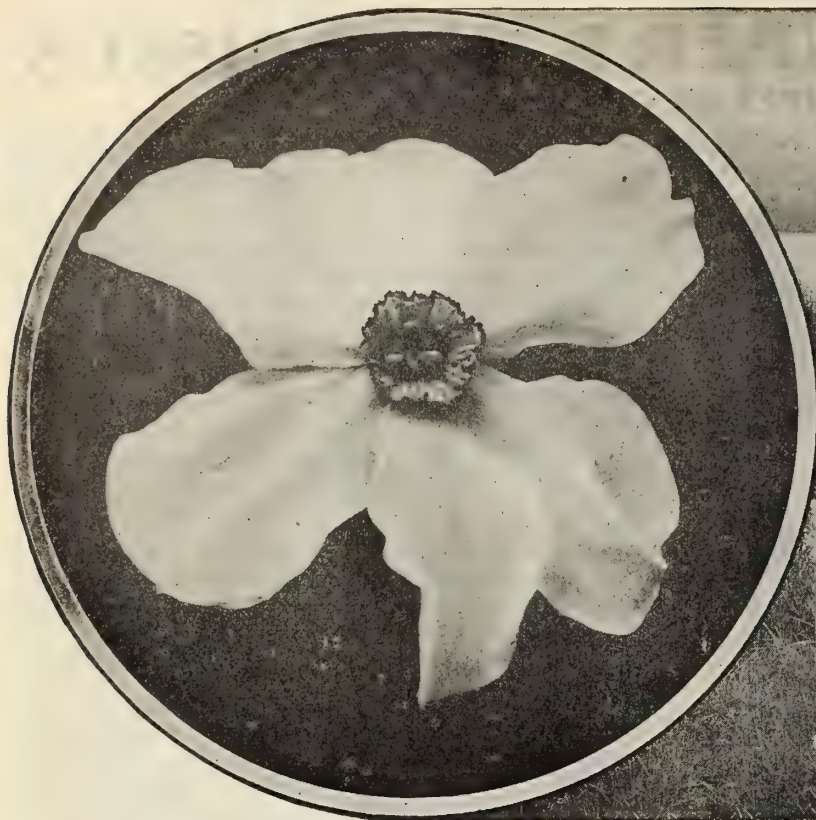
### A BOOK ON DAFFODILS (*Narcissus*)

The history of this beautiful flower is related therein extensively, the culture complete in detail such as the cultivation in gardens, naturalizing, growing in pots, for house culture in earth and water; the forcing as well as the originating of new varieties are distinguishing features of this instructive book. Price, postpaid, \$1.20.

**SPECIAL OFFER.** For a bulb order amounting to \$20.00 or more and accompanied by remittance, we will include this instructive book **FREE**.

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.





POETICUS ORNATUS, PLANTED ON THE BANKS OF A STREAM

### THE OLD FASHIONED POETS NARCISSUS

This class is noted for its hardiness and freedom of bloom. It is one of the most popular types; used extensively for wild gardening or naturalizing, being so **very inexpensive** that most anyone can afford to plant them by the thousand. They are quite fragrant and are splendid cut flowers. Ornatus and Elvira are used for forcing, the others being best for outdoor planting.

Height  
in Inches

- 12 Biflorus.** Two to three flowers appear on a single stalk; perianth pure white; the crown is soft yellow; it flowers very late and is delightfully sweet scented. Each 3c.; 20c. doz.; per 100, \$1.15; \$9.00 per 1000.
- 12 Burbidgei.** This is the earliest variety, bearing pure white flowers, the cup being beautifully fringed and margined red. Each 2c.; 15c. doz.; per 100, \$1.15; \$8.50 per 1000.
- 15 F King Edward VII (Almira).** An improved type, having magnificent large flowers with broad, round petals, a glistening white, and the yellow cup is edged deep red; a very early flowering variety. 4c. each; doz., 35c.; \$2.75 per 100; per 1000, \$25.00.
- 24 F Poetaz Elvira.** This remarkable novelty is the result of a cross between the Pheasant Eye and the Polyanthus Narcissus, combining hardiness with the cluster flowering effect. The blooms which are pure white of remarkable substance and delicate yellow cup never come less than 3 to 4 to a long stem and from 2 to 3 stems are produced from a single bulb. The fragrance is distinct, resembling that of a Gardenia. It forces well and early. Each 4c.; 40c. doz.; per 100, \$3.00; \$27.50 per 1000.
- 12 Poeticus Ornatus.** A much improved form of the ordinary Poeticus, producing larger flowers and blooming two weeks earlier; especially adapted for forcing, being a splendid cut flower; midseason.
- |                       |        |        |        |        |
|-----------------------|--------|--------|--------|--------|
|                       | Each   | Doz.   | 100    | 1000   |
| First-size Bulbs..... | \$0.03 | \$0.20 | \$1.00 | \$8.50 |
| Mammoth Bulbs.....    | .04    | .25    | 1.50   | 12.00  |

Height  
in Inches

- 12 Poeticus (Pheasant's Eye).** The popular narcissus for garden planting; pure white with scarlet edged cup or eye; most effective when planted in clumps on lawns, in woodlands, meadows, on banks of streams and ponds, as well as in the border and herbaceous bed. Very hardy and increase readily in numbers; late. 2c. each; per doz., 15c.; 85c. per 100; per 1000, \$7.00.

### HARDY NARCISSUS IN MIXTURE

We import a very large number of these on account of the popular demand. They are a good investment at any time. For massing in borders, fields, woods and, in fact, anywhere, they more than return their cost in the liberal manner in which they flower, producing a wide range of color and variety of bloom. We offer large size bulbs only, which can be depended upon for results the first season.

**Single Varieties.** 15c. per doz.; per 100, \$1.00; \$8.00 per 1000; per 5,000, \$36.50.

**Double Varieties.** 20c. per doz.; per 100, \$1.00; \$8.50 per 1000; per 5,000, \$40.00.

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.



## POLYANTHUS NARCISSUS

This class of Narcissus is a most interesting one. They may be grown in water and pebbles like Chinese lilies, but they are equally suited for growing in soil. The flowers are produced in clusters, like the illustration, and they are delightfully fragrant. They are not as a general thing hardy, but can be planted outdoors, if afforded liberal protection during winter.

**Double Roman.** White perianth, with an orange and yellow suffused cup; very free flowering and early. 4c. each; per doz., 30c.; \$1.50 per 100; per 1000, \$12.00.

**Gloriosa.** A very showy type, with white perianth and orange yellow cup; very pretty. 5c. each; per doz., 40c.; \$2.50 per 100; per 1000, \$22.00.

**Grand Monarque.** Large, broad, white perianth with a primrose-yellow cup; a very striking flower. 5c. each; per doz., 40c.; \$2.50 per 100; per 1000, \$20.00.

**Grand Soleil d'Or.** Rich yellow, with deep red cup. For cutting this is a fine variety, as it makes a grand show. 5c. each; per doz., 40c.; \$2.50 per 100; per 1000, \$20.00.

**Paper White Grandiflora, First Size Bulbs.** This is quite a specialty with us; of it alone we import over one million bulbs. It is a pure white flowering sort; used extensively for forcing as it can be brought into bloom in 8 weeks' time; the stems are very long and it is excellent for bunching. 4c. each; per doz., 25c.; \$1.50 per 100; per 1000, \$14.00.

**Paper White Grandiflora, Mammoth Bulbs.** 6c. each; per doz., 40c.; \$2.15 per 100; per 1000, \$19.00.

**Paper White Grandiflora, Giant Bulbs.** 7c. each; doz., 60c.; \$4.00 per 100; per 1000, \$35.00.

**White Pearl.** A large pure white; very exquisite. 5c. each; per doz., 40c.; \$2.50 per 100; per 1000, \$22.50.

**Polyanthus Narcissus, Mixed.** All colors and varieties. 4c. each; per doz., 30c.; \$1.50 per 100; per 1000, \$12.50.



*MICHELL'S Giant Narc. P. W. Grandiflora*

## SWEET SCENTED JONQUILS

These delightful little flowers are especially graceful when grown in pans or pots, but do equally well outdoors. The slender foliage stalks enhance a most fragrant flower borne in clusters of 2 to 4.

**Single Jonquils.** Rich yellow, very fragrant, height 12 inches. 2c. each; per doz., 15c.; 80c. per 100; per 1000, \$7.00.

**Double Jonquils.** Flowers very double, deep golden-yellow, height 12 inches. 4c. each; per doz., 35c.; \$2.00 per 100; per 1000, \$17.50.

**Campernelle.** Single yellow; a grand forcer. 2c. each; per doz., 20c.; \$1.00 per 100; per 1000, \$7.00.

**Campernelle Rugulosus.** Single yellow; larger than the plain Campernelle. 3c. each; per doz., 25c.; \$1.25 per 100; per 1000, \$10.00.

*If these Narcissus are desired by mail, add 8c. per dozen for postage. Single bulbs mailed free.*



*MICHELL'S Double Jonquils*

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.



# MICHELL'S DOUBLE NARCISSUS OR DAFFODILS AND JONQUILS

The Narcissus or Daffodil is becoming more popular every year. It is hardy in every way and thrives most anywhere. For naturalizing in woods and fields nothing equals it. When once established they multiply rapidly and in a short time cover tremendous areas. Many varieties can also be used for forcing, for which purpose they are highly desirable. Plant in a pan or pot anywhere from 3 to 12 bulbs, according to size of bulb. After they have been forced and flowered they can be planted outdoors for another year's bloom. We offer large bulbs only.

**Alba Plena Odorata.** A very sweet-scented pure white variety called Double Poets Narcissus; it flowers later than many of the other daffodils, and is not desirable for forcing. It makes a handsome show bedded among perennial plants and shrubbery; height about 15 inches. 3c. each; per doz., 20c.; \$1.00 per 100; \$9.00 per 1000.

**Double Jonquils** (*Sweet Scented*). Pure golden yellow; deliciously fragrant. Clumps of these planted outdoors make a beautiful effect. Indoors they can be brought into flower with ease, when they should be planted in pans containing not less than a dozen bulbs. Height, 12 inches. 4c. each; doz., 35c.; \$2.00 per 100; per 1000, \$17.50.

**Incomparable Double.** On account of the peculiar suffusion of the colors in the flower, this variety is also known as "Butter and Eggs." The color is yellow and orange, and makes an attractive cut bloom. Its greatest value is for outdoor planting, as it does not force so well. Height about 16 inches. 3c. each; per doz., 25c.; \$1.50 per 100; per 1000, \$12.00.

**Orange Phoenix.** A variety similar to the above, except for coloring, which is a light yellow, almost white, with a yellow centre. It is splendid for forcing or pot culture. It is also called "Eggs and Bacon." Height, 16 inches. 4c. each; per doz., 30c.; \$1.75 per 100; per 1000, \$14.50.



**Von Sion** (*Telamonius Plenus*). The true double daffodil. Our stock of these comes from one of the largest daffodil producers in Holland. The color is a pure golden yellow, entirely free from green-tipped flowers, which are often found in cheap grades. For forcing or outdoor planting it has no equal. It should be planted extensively for naturalizing. A bed or clump of these planted outdoors, and intermingled with plantings of Violas, Pansies or English Daisies, make a delightful early spring floral combination.

	Each	Doz.	100	1000
First Size Bulbs.....	\$0.04	\$0.30	\$2.00	\$17.50
Mammoth Size Bulbs.....	.05	.50	3.00	27.50

**Monster Bulbs**, producing three or more flowers per bulb, 8c. each; per doz., 80c.; \$5.00 per 100; per 1000, \$40.00.

**Double Mixed Narcissus.** All shades, varieties and colors. A quantity of these make a handsome investment, and at the low price which they are offered should be planted extensively. Do not force the mixed narcissus. 2c. each; per doz., 20c.; \$1.00 per 100; per 1000, \$8.50.

**Sulphur (or Silver) Phoenix.** Flowers very large, bluish-white; the centre is sulphur colored; excellent for forcing or outdoor planting. Height about 18 inches. 4c. each; per doz., 40c.; \$2.25 per 100; per 1000, \$17.50.

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates



# MICHELL'S "SUPERB" EASTER LILY BULBS



## LILIUM HARRISII

(The Bermuda Easter Lily)

**Cultural Note**—In order to obtain best results, attention to the following brief directions will assist materially: Upon receiving the bulbs, pot them immediately. Place a handful of well-rotted cow manure in the bottom of the pot and place the bulb directly on top, covering it with soil. After watering, place in an outside pit and protect from the direct rays of the sun; cover well with soil, ashes or any other suitable litter. When the bulbs have become thoroughly rooted, bring inside, in a temperature of about 60°; let the plants grow slowly under a bench or some other suitable place until about 6 inches high; then place on top of the bench. About two months before Easter they can be brought into a warmer temperature and gradually forced into flower and height at one time. An occasional application of liquid cow manure, starting about six weeks before flowering time, will stimulate the plant wonderfully. *Thorough rooting is the most essential point.*

## MICHELL'S "SPECIAL BRAND"

### • LILIUM HARRISII

(True Bermuda Easter Lily)

Noted for freedom from disease, uniformity and free flowering qualities.

Size in Circum.	Each	Doz.	100	1000
5 to 7 inches.....	\$0.10	\$1.00	\$6.50	\$62.50
6 to 7 ".....	.15	1.50	9.00	85.00
7 to 9 ".....	.25	2.50	15.00	135.00
9 to 11 ".....	.50	5.00	27.50	
11 to 13 ".....	.75	7.50	57.50	

## JAPANESE EASTER LILIES

Upon arrival of bulbs plant at once in suitable size pots, using coarse soft-coal ashes for drainage in the bottom, giving them a soil composed of sandy loam and well enriched with about  $\frac{1}{3}$  well rotted horse or cow manure.

Put them in a protected place, soak down with water very heavy, and after two or three days cover the pots with 2 or 3 inches of ashes.

Place lilies where they are to bloom after January 1st, giving them a temperature, as near as possible, of 60° night and 70° day for about 10 days, then 70° night and 80° day until buds can all be counted.

During this period manure-water them regularly once a week with the following liquid: 1 bushel cow manure (fresh), and one 4-in. pot full of nitrate of soda to each 50 gallons of water.

Spray the foliage once a day (twice a day when clear weather): It is also very important to never allow the soil to get very dry, and never feed unless the soil is moist.

When the buds can be counted easily, move plants where you can get the temperature down gradually, and finally mulch them with either a little sheep manure or bone-flour.

## LILIUM LONGIFLORUM MULTIFLORUM

### MICHELL'S SPECIAL BRAND (Ready in October)

This brand must not be compared with lower priced bulbs, as it is a distinct selection.

	Each	Doz.	100	1000
6 to 8 in.....	\$0.08	\$0.80	\$5.50	\$50.00
7 to 9 ".....	.12	1.25	8.00	75.00
8 to 10 ".....	.18	1.75	10.50	95.00
9 to 10 ".....	.25	2.00	12.00	105.00
Monster Bulbs.....	.50	5.00	35.00	

## LILIUM FORMOSUM (The Formosa Easter Lily)

This variety is fast becoming very popular; it has every good feature that the other Easter lilies possess—freedom of bloom robust habit, etc. It resembles the **Bermuda Easter Lily**, but blooms earlier and grows taller. Our stock was grown by the originator and is extra fine.

### Dark Stemmed Type

(Flowering generally in March and April.)

	Each	Doz.	100	1000
6 to 8 inches circum.....	\$0.15	\$1.50	\$8.00	\$75.00
7 to 9 " ".....	.20	2.25	13.50	120.00
9 to 10 " ".....	.30	3.00	18.00	170.00
10 to 12 " ".....	.50	5.00	35.00	
Monster Bulbs.....	1.00	10.00		

### Green Stemmed Type

(Flowering generally in January, February and March.)

	Each	Doz.	100	1000
6 to 8 inches circum.....	\$0.10	\$1.00	\$7.00	\$65.00
7 to 9 " ".....	.15	1.50	10.00	85.00
9 to 10 " ".....	.20	2.00	15.00	135.00
10 to 12 " ".....	.40	4.00	30.00	

## LILIUM LONGIFLORUM GIGANTEUM (True)

This variety is now coming into great prominence on account of its mammoth flowers.

	Each	Doz.	100	1000
6 to 8 inches.....	\$0.10	\$1.00	\$7.00	\$65.00
7 to 9 ".....	.15	1.35	9.00	85.00
9 to 10 ".....	.20	2.00	15.00	140.00
Monster Bulbs.....	.50	5.00	35.00	

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.



# MICHELL'S HARDY GARDEN LILIES

*Ready in October, except where noted.*



LILIUM CANDIDUM WITH SWEET WILLIAM IN THE FOREGROUND  
A BEAUTIFUL COMBINATION

**Auratum** (*Golden Banded Lily from Japan*). A variety planted most extensively; flowers of enormous size, measuring frequently 8-12 inches across; pure white, spotted crimson; each petal is marked in the centre with a band of yellow. The height varies according to location; it prefers a moist, cool well-drained soil. Flowers in August, delightfully fragrant; a single stem produces on an average from 8 to 15 flowers.

	Each	Doz.	100
Large Bulbs .....	\$0.15	\$1.50	\$10.00
Mammoth Bulbs .....	.25	2.50	17.50
Monster Bulbs .....	.35	3.50	25.00

**Candidum** (sometimes called St. Joseph's, Madonna, or Annunciation Lily). One of the most popular and satisfactory of the American garden lilies. Pure waxy white flowers produced on straight stems bearing anywhere from 10 to 30 blooms of good size and substance; delightfully fragrant. Effective plantings are the result of massing them in clumps or borders. Our bulbs are grown in Northern France, where they have a reputation of growing the finest in the world. To insure absolute success, plant the bulbs as early as possible—September preferred—6 inches deep imbedded in sand and placed on their side; height, 4 feet; blooms in June. (*Ready in August.*)

	Each	Doz.	100	1000
Large Bulbs .....	\$0.12	\$1.00	\$7.00	\$65.00
Mammoth Bulbs .....	.15	1.50	10.00	90.00
Monster Bulbs .....	.25	2.50	17.50	150.00

**Melpomene** (*Japan*). Rich deep pink, spotted dark red; free blooming and robust in growth; very fragrant; height, 3½ feet; flowers in August.

	Each	Doz.	100
Large Bulbs .....	\$0.15	\$1.50	\$10.00
Mammoth Bulbs .....	.25	2.50	17.50

**Speciosum Album** (*Japan Lily*). The best late flowering pure white hardy garden lily of easy culture. The slender graceful stems and foliage are set off to wonderful advantage by the glistening pure white blooms clustered from 6 to 10 around the stem; the petals recurve and show the prominent red pistil in the centre; height, 4 feet; blooms August and September.

	Each	Doz.	100
Large Bulbs .....	\$0.20	\$1.80	\$12.50
Mammoth Bulbs .....	.25	2.50	17.50

**Speciosum Magnificum** (*Japan*). An enormous flower rich deep pink, spotted crimson; the form of flower is recurved like "Speciosum Album"; this is one of the grandest of the Japanese varieties; height, 3 feet; flowers in August.

	Each	Doz.	100
Large Bulbs .....	\$0.15	\$1.50	\$10.00
Mammoth Bulbs .....	.25	2.50	17.50
Monster Bulbs .....	.35	3.50	25.00

**Speciosum Rubrum or Roseum** (*Japan*). Delicate pink, almost white, spotted red; one of the old garden favorites; very hardy; height, 3 feet; flowers in August and September.

	Each	Doz.	100
Large Bulbs .....	\$0.15	\$1.50	\$10.00
Mammoth Bulbs .....	.25	2.50	17.50
Monster Bulbs .....	.35	3.50	25.00

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.



# MICHELL'S HARDY GARDEN LILIES



## OLD FASHIONED TIGER LILIES

The improved Tiger Lily, one of the hardiest in cultivation, which succeeds and increases in all climates; splendid for naturalizing in groups and around shrubbery. The orange blossoms are heavily spotted maroon and borne in clusters of from 4 to 10 blooms on a straight heavy stalk, often 5 feet in height. Deep purple seed pods form on the axils of the leaves; blooms in July.

**Tigrinum Splendens Simplex.** Mammoth bulbs grown in Japan, 10c. each; doz., \$1.00; \$7.50 per 100.

**Tigrinum Splendens (Flore Pleno).** A double form of the above, retaining its flower longer, otherwise is as above. Mammoth bulbs grown in Japan, 15c. each; doz., \$1.50; \$10.00 per 100.

<b>Brownii.</b> One of the most beautiful Lilies; Each	Doz.	100
pure white inside, outside brown purple....	\$0.50	\$5.00
<b>Canadense (Canadian Bellflower Lily).</b> Bright yellow bell-shaped flowers; petals are spotted black; June and July; 2 feet.....	.10	1.00 7.00
<b>Canadense Rubrum.</b> Same as above, crimson with black spots.....	.20	1.75 12.50
<b>Elegans, Painted Chief.</b> Bright flame color. Flowering early June; 2 feet; large open flowers stand upright in clusters from 3 to 5 on a stout stem.....	.15	1.50 11.00
<b>Elegans, Leonard Joerg.</b> Rich apricot.....	.20	1.75 12.50
<b>Hansoni.</b> Often grows from 3 to 5 feet high, flowers reddish orange 8 to 12 in a cluster; petals thick and durable .....	.50	5.00 40.00
<b>Henryi (New and Rare).</b> Tall grower, often 7 feet; producing flowers of a distinct orange yellow in great profusion .....	.75	7.50
<b>Superbum (Turk's Cap Lily).</b> One of the best lilies for all purposes; will succeed everywhere; according to location, will grow from 3 to 6 feet high and produce from 5 to 45 nodding brilliant orange red flowers on a single stalk during July .....	.15	1.50 10.00
<b>Tenuifolium (Coral Lily).</b> Brilliant scarlet, Turk's cap flowers, of rather small size, hang downward on a small but gracefully formed tree-like plant; splendid for edges of borders, rockeries or cutting; foliage very slender; flowers in May .....	.15	1.50 10.00
<b>Umbellatum.</b> A showy, massive lily, flowering in June; the broad, open flowers appear upward from 5 to 8 on a stout stalk, 3 feet high; color, a glowing orange scarlet; most effective when planted in clumps .....	.15	1.50 10.00



*Lilium Auratum*

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.



# MISCELLANEOUS WINTER AND SPRING BULBS ∴ FLOWERING ∴

## ACONITE—Winter (*Eranthis Hyemalis*)

A very early golden yellow flowering bulb blooming with the Snowdrop. The foliage is quite dense and remains after the flower has died down. Aconite should be planted where it is shaded, preferably in a moist location; perfectly hardy. Height, about 6 inches. Dozen and 100 lots mailed free. 3c. each; 20c. per doz.; per 100, \$1.00; \$7.50 per 1000.



Winter Aconite



Allium Neapolitanum.

## ALLIUM

**Neapolitanum.** Used extensively for indoor culture in pots and pans. It is especially adapted to forcing and makes an excellent cut flower; color pure white. Height 12 inches. It may also be planted outdoors among the hardy plants and is very effective in clumps of 25 or more. Dozen and 100 lots mailed free. Each, 3c.; 20c. per doz.; per 100, \$1.00; \$7.50 per 1000.

## AMARYLLIS

For a practical showy house plant there is nothing of easier culture than these gorgeous lily-like flowers. Once potted they can remain in the same pots for years; increasing each year in beauty.

**Cultural Directions:** Place bulbs, on arrival, in damp moss in temperature of 60° and allow the flowering shoot to appear before the bulb is potted. When the plant is in progress of blooming water freely, other times sparingly.

**Belladonna.** A beautiful bright pink. 15c. each, per doz. \$1.50.

**Formosissima.** Crimson. 10c. each, per doz. \$1.00.

**Hybrids of Vittata.** Beautiful species, flowers striped and flaked. 50c. each, per doz. \$5.00.

**Johnsoni.** A very large crimson sort, striped white. Mammoth bulbs. 50c. each, per doz. \$5.00. Good size bulbs, 30c. each, per doz. \$3.00.

**SMALL AMARYLLIS OR ZEPHYRANTHES** (See Page 37.)

**NEW GIANT AMARYLLIS, EMPRESS OF INDIA** (Hybrids)

This strain created a sensation at the recent National Flower Show, where it was pronounced the finest ever seen. It covers all shades of red, crimson, pink, beautifully striped and marked, etc. **Mammoth Bulbs,** \$1.00 each; doz., \$10.00.

## ANOMATHECA CRUENTA (*Scarlet Freesia*)

(Ready in November)

This little bulb produces an attractive scarlet flower much resembling the favorite Freesia. It is used principally for forcing indoors, but may be planted out if protected during winter. The flowers, which are borne in great profusion, are a rosy scarlet, spotted crimson on the three lower petals. Price includes postage on dozen and 100 lots. 3c. each; per doz., 20c.; \$1.00 per 100; \$8.00 per 1000.

## BEGONIAS (*Tuberous Rooted*) Ready in December

There hardly is a single garden in which there are not semi or entirely shaded spots where the average flower will not grow; such places are ideal for the begonia; yet it will make a dazzling show in the open. Enormous wax-like flowers appear uninterruptedly from June till frost. The bright blooms contrast well with the deep-colored foliage. The bulbs must be lifted in the fall. If you have never grown them, try them this year; start your bulbs in March and have flowers in June. Plant bulbs outdoors not before May 1st.

### SINGLE BEGONIAS

	Each	Doz.	100
Crimson	\$0.10	\$1.00	\$6.00
Orange	.10	1.00	6.00
Pink	.10	1.00	6.00
Scarlet	.10	1.00	6.00
White	.10	1.00	6.00
Yellow	.10	1.00	6.00
Mixed	.07	.70	5.00

### DOUBLE BEGONIAS

	Each	Doz.	100
Crimson	\$0.15	\$1.50	\$10.00
Orange	.15	1.50	10.00
Pink	.15	1.50	10.00
Scarlet	.15	1.50	10.00
White	.15	1.50	10.00
Yellow	.15	1.50	10.00
Mixed	.12	1.20	8.50

### NEW FRILLED BEGONIAS (Single)

The edge of each flower petal is exquisitely frilled and crested, giving it thereby a charming appearance. Every one who grows

Tuberous Begonias should plant some of this variety. **Doz. 100**  
In separate colors as above ..... Each \$0.20 \$2.00 \$15.00  
Mixed, all colors ..... .15 1.50 10.00

### NAMED TUBEROUS BEGONIAS

	Each	Doz.	100
Lafayette. Brilliant crimson, double	\$0.20	\$2.00	\$15.00
Graf Zeppelin. Double; vermilion scarlet	.15	1.50	11.00
Bertini. Brilliant vermilion; single	.15	1.50	11.00
Cardinal. Rich cardinal red	.25	2.25	15.00



6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.



**ANEMONES** (Wind Flowers)

These popular flowers of French origin are exceedingly useful, both as a decorative plant for house or garden, fine for cutting. If planted outdoors in the fall they must be well protected with leaves or other litter, they may also be planted in the spring in well drained soil and will flower during the summer, starting in May. When planted in pots place 12 or more in a cluster and store away, if possible, in a cold frame, there they should be left until the middle of March; if carefully watered when brought into the house they will flower abundantly; height, 12 inches.

**CORONARIA OR POPPY FLOWERING TYPES**

	Each	Doz.	100	1000
Single Scarlet .....	\$0.03	\$0.20	\$1.25	\$10.00
" Blue .....	.03	.20	1.25	10.00
" White ( <i>The Bride</i> ) .....	.03	.20	1.00	7.50
" Mixed, all colors .....	.03	.20	1.00	7.50
Double Mixed, all colors .....	.03	.25	1.25	10.00

**Anemone, St. Brigid** (*Semi Double*). A giant flowering type of Irish origin, magnificent blooms often 5 inches across, of the richest and daintiest colors, covering maroon, scarlet, blood red, old rose, pink, blue, purple, mauve, yellow, cream white; most of them having a bright colored ring around the centre. Mixed Colors. 5c. each; doz., 40c.; \$2.50 per 100; per 1000, \$20.00.

**Anemone, Fulgens** (*Single*). Dazzling scarlet flowers surrounded with graceful foliage, makes a pot of these a most desirable acquisition. One of the showiest anemones in cultivation, the shade of color being a rarity. Each, 4c.; 30c. per doz.; per 100, \$2.00; \$17.50 per 1000.

**COCOANUT FIBRE**

A substitute for soil; splendid for growing bulbs in the house. 10c. qt., 4 qts. 25c., 40c. peck, bushel \$1.00, \$3.00 for 5 bus.

**CALLA LILIES**

Callas require good, rich soil mixed with a small quantity of shredded cow manure, and plenty of warmth and water. The black variety does not require so much moisture. Plant Callas indoors only.

**GODFREY DWARF EVERBLOOMING CALLA.**—This comparatively new Calla has proven an excellent one, its character is exactly like the *Aethiopica* type, except it is of much dwarfer habit and a freer bloomer; very desirable as a pot plant. Large blooming size bulbs, 25c. each; doz., \$2.50; \$15.00 per 100.

	Each	Doz.	100
WHITE CALLA ( <i>Aethiopica</i> ). Monster Size.....	\$0.40	\$4.00	\$30.00
" " " Mammoth Size.....	.30	2.75	17.50
" " " Medium Size.....	.20	1.75	12.50
" " " First Size.....	.15	1.25	8.00

**BLACK CALLA.** Dark flower. This variety should be watered sparingly until growth appears (ready in October). 15c. each; per doz., \$1.50; \$10.00 per 100.

**SPOTTED CALLA.** White flower, green foliage spotted white (ready in October). 10c. each; per doz., \$1.00; \$7.00 per 100.

**LITTLE GEM CALLA.** Our stock of these is genuine, being procured direct from the original source. The plant and flower are indeed a curiosity. In appearance and growth it is just like the White Calla, except that the flower and plant are much smaller. They are very free bloomers and are excellent for cutting or as pot plants. 10c. each; per doz., \$1.00; \$6.00 per 100.

**YELLOW CALLA** (*Elliottiana*). A grand novelty, one that should be planted extensively. The deep golden yellow flowers are truly magnificent, and produced in abundance. The green foliage is spotted creamy white, which adds to its beauty. 25c. each; doz., \$2.50; \$18.00 per 100.



White Calla Lily

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.





## MICHELL'S MAMMOTH FLOWERING CHINESE LILIES

This type of *Narcissus (Orientalis)* is also known as Joss Flower, Shui Sin Far, or Flower of the Gods, is a most remarkable house flower, producing its beautiful, fragrant blossoms of white and yellow in the astonishing short time of 4 to 6 weeks. Popularly they are grown in bowls of water and pebbles; the most satisfactory method of treating them is as follows:

Place from 3 to 6 bulbs in a bowl on top of pebbles to the depth of 2 inches; also place a piece of charcoal with the pebbles to keep the water sweet. Place more pebbles around the bulbs so they will not topple over and then fill the bowl with water to the top of pebbles. After being planted they should be stored for three weeks in a cool, dark corner and then brought forth to a light but cool place, where they will grow to the highest point of perfection. Excessive heat produces quick growth but will blight the buds and no flowers are the result; they also do best where no coal stoves or gas-lights are used in the room where they flower.

They may of course also be grown in pots with soil or sand, cocoanut fibre and moss. To have succession of blooms, start a fresh bowl every 2 weeks.

	Each	3 Bulbs	Doz.	Basket of 30 Bulbs
Large Bulbs.....	\$0.10	\$0.25	\$0.90	\$2.00
Mammoth Bulbs.....	.15	.40	1.50	3.50
Monster Bulbs.....	.25	.65	2.50	5.25

If wanted by mail add 3c. per Bulb for postage.

### GOLDEN CHINESE LILY

A beautiful variety. The centre cup is deep yellow while the perianth is lighter. Treat exactly the same as the regular Chinese Lily. Very fragrant.

Large Bulbs—5c. each; per doz., 50c. (by mail, 65c.); \$3.50 per 100.

GLASS BOWLS FOR CHINESE LILIES. For one bulb—15c. each; per doz., \$1.50.

For three bulbs—25c. each; per doz., \$2.50 (not-mailable).

PEBBLES for Chinese Lilies. Carefully screened and selected. 5c. per qt.; .30 per peck; bushel, \$1.10; \$2.50 per barrel. (Pebbles cannot be mailed.)

### CYCLAMEN PERSICUM GIGANTEUM

Most beautiful plants for the window or conservatory. We offer the following colors, viz:

White, Pink, Crimson and Salmon, separate color bulbs. 15c. each; per doz., \$1.50. Cyclamen bulbs should be started in damp moss or cocoa fibre.

Large plants of Cyclamen in separate colors, in bud or bloom, 35c. each; doz., \$3.50. Cyclamen plants cannot be mailed successfully.



### CHIONODOXA

(Glory of the Snow)

One of the first flowers to appear in the spring. They make a handsome show, each bulb producing several flower spikes. They are perfectly hardy and do not need any protection. They are frequently planted in masses on a lawn like Crocus. For edging other early flowering bulb beds they are well suited. Height about 6 inches.

**Gigantea.** Large flowers; color lilac blue, white centre. 25c. per doz.; per 100, \$1.50; \$11.50 per 1000.

**Luciliae.** Bright blue with white centre. 20c. per doz.; per 100, \$1.10; \$9.00 per 1000.

**Sardensis.** Very deep blue with white centre. 20c. per doz.; per 100, \$1.10; \$9.00 per 1000.

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.



# BULBS PLANTED IN FALL Make Beautiful SPRING SHOWS

## CROWN IMPERIAL

(*Fritillaria Imperialis*)

A majestic plant appearing in its grandeur in the early spring before the trees burst into leaf. The large bulbs produce stout stems 3 to 4 feet long with a crown-like cluster of bell-shaped flowers at the top, which are gorgeous in coloring. The bulbs have a deep opening in centre and it is advisable when planting to place the bulb on its side, so the rain and water cannot settle in the opening and cause the bulb to decay. These are ideal for planting in hardy borders or shrub beds, but should be massed at least six in a clump. We furnish Mammoth Bulbs only.

	Each	Doz.	100
Single Red .....	\$0.15	\$1.50	\$11.00
Single Yellow ....	.20	2.00	15.00
Double Red (Crown upon Crown) ....	.25	2.25	16.00
Single Mixed .....	.12	1.25	8.00
Double Mixed .....	.12	1.35	9.00



*Crown Imperial "Crown upon Crown"*



*Dielytra Spectabilis (Bleeding Heart)*

## DIELYTRA (Bleeding Heart)

(Ready in November)

**Spectabilis.** The heart-shaped flowers are produced on long drooping stems, of a beautiful rose and white color combination. After blooming, the foliage makes a very attractive appearance. Dielytra forces very readily in a greenhouse or conservatory. 20c. each (by mail, 25c.); per doz.. \$2.00; \$12.50 per 100; per 1000, \$100.00.

## GLOXINIAS (Ready in December)

A splendid house plant producing clusters of gorgeously colored, marked and spotted bell-shaped flowers, which outrival the finest orchids in texture and appearance. Their culture is very simple; they require a warm, fairly shady location and plenty of moisture.

### NAMED GLOXINIAS

	Each	Doz.	100
Waterloo. Deep purple, bordered			
carmine .....	\$0.20	\$2.00	\$15.00
Meteor. Carmine, edged white....	.20	2.00	15.00
Graf Zeppelin. Carmine fringed....	.20	2.00	15.00
Nixe. White, bordered blue.....	.20	2.00	15.00
Marienthalerkind. Deep crimson,			
bordered rose .....	.20	2.00	15.00

### UNNAMED GLOXINIAS

	Each	Doz.	100
Red and Scarlet .....	.15	1.50	10.00
White .....	.15	1.50	10.00
Blue .....	.15	1.50	10.00
White Spotted Scarlet .....	.15	1.50	10.00
Scarlet Bordered White .....	.15	1.50	10.00
Blue Bordered White .....	.15	1.50	10.00
Choicest Mixed .....	.10	1.00	6.00

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.



## MICHELL'S GIANT FREESIAS

Without doubt the most sweetly scented flower growing; a single bloom permeates the living-room with its delicate perfume. Although they are quite popular and very easily raised, we would suggest the following directions:

Procure the bulbs as early as possible and plant them in successive batches from August to October, using from 6 to 25 bulbs for a single pan. The soil should be a mixture of loam, to which must be added leaf mould and sand. The bulbs planted early, say August and September, may be placed outdoors in a sheltered spot until cold weather sets in, of course they must be regularly watered and kept growing all the time. In October before frosts appear the pots should be placed in frames if possible or near the window of an unheated room. Not before November must the young plants be brought to gentle heat and if thus cared for they will flower perfectly in January. The foliage of the Freesias is very fine and slender and must be supported with light stakes placed around the outer edge of the pans. The glistening pure white flowers are borne on long stems; very valuable for cutting.

**Purity (Fischer's Strain).** Gigantic flowers of the purest white on stout wiry stems, 2 feet in length; a revelation to those who only know the regular Freesia; as a cut flower they are unrivaled and very desirable

	Each	Doz.	100	1000
Large Bulbs .....	\$0.04	\$0.40	\$2.75	\$22.50
Mammoth Bulbs .....	.08	.75	4.50	30.00
Monster Bulbs .....	.10	1.00	5.00	45.00

**Bermuda Freesia.** Pure white flowers.

	Each	Doz.	100	1000
Large Bulbs .....	\$0.03	\$0.20	\$1.00	\$8.00
Mammoth Bulbs .....	.04	.30	1.50	10.00
Monster Size Bulbs .....	.06	.50	2.00	17.00

**California Freesia.** The white flowers have a yellow throat.

	Each	Doz.	100	1000
Large Bulbs .....	\$0.02	\$0.15	\$0.75	\$6.00
Mammoth Bulbs .....	.03	.25	1.50	10.00
Monster Bulbs .....	.05	.35	2.00	15.00

**Leichtlini.** Outside of flower is white, while the inside is yellow.

Each, 3c.; per doz., 25c.; \$1.50 per 100.

### MATERIAL FOR SUCCESSFUL HOUSE CULTURE OF BULBS

	Qt.	4 Qts.	Peck	Bu.	Bbl.
Charcoal (Lump) .....	\$0.05	\$0.15	\$0.25	\$0.75	\$1.75
Cocanut Fibre .....	.10	.25	.40	1.00	
Leaf Mould .....	.05	.15	.25	.75	1.50
Pebbles .....	.05	.20	.30	1.10	2.50
Potting Sand .....	.05	.15	.20	.70	1.75
Prepared Potting Soil .....	.05	.15	.20	.70	1.75
6-inch Bulb Pans .....			Each	Doz.	100
7 " " " .....			\$0.07	\$0.68	\$3.75
4 " Pots .....			.08	.78	4.80
Hyacinth Glasses .....			.02	.18	1.38
			.20	2.00	15.00



*Fischer's Purity Freesia*

### MICHELL'S BULB GROWING GUIDE

Bound into a heavy cover, we have issued the above booklet containing not only the most up-to-date cultural directions in general but giving a very concise detail to what use each variety is best put to and in addition describing very explicitly each and every bulb offered in this Catalogue. We want every bulb grower to possess this instructive guide. Mailed or handed free to every applicant.

### BOOKS ON GROWING OF BULBS AND FLOWERS

A good book on the subject aids very much in the pleasure derived from growing bulbs either indoors or out. With this end in view, we have selected from a large list the following publications which we can recommend:

**American Flower Garden.** By Nelye Blanchau, planting tables by Leonard Barron. An authoritative work with 4 color plates and 80 other illustrations. Indexed so that any of the thousands of matters referred to make its study a pleasure. Price, \$5.25.

**The Hardy Garden Book.** By H. Rutherford Ely. Price, \$1.85.

**The Scented Garden Book.** By F. W. Burbridge. Price, \$1.10.

**The Wild Garden Book.** By S. W. Fitzherbert. Price, \$1.10.

**The Winter Garden Book.** By D. S. Fish. Price, \$1.10.

\* **Bulbs.** By S. Arnott. Price, \$1.10.

**Bulbs and Tuberous Rooted Plants.** By C. L. Allen. \$1.50.

**Daffodils—Narcissus:** How to Grow Them. By A. M. Kirby. Price, \$1.20

\* **The Daffodil.** By S. E. Bourne. Price, \$1.10.

\* **The Iris.** By Irwin Lynch. Price, \$1.10.

\* **The Lily.** By W. Goldring. Price, \$1.10.

\* Are European publications and are imported to order.

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.



**WINTER FLOWERING GLADIOLUS****Cardinalis, Nanus or Colvilli Types***Ready in October*

While still a novelty this class of Gladiolus has been thoroughly tried in every section of this country and seems to have a place all its own. Not only may they be grown in cool conservatories or dwelling houses during the winter for flowering from March till May, but they are a hardy bulb and may be planted outdoors in the late fall, 4 to 6 inches deep and protected with at least a covering of from 4 to 6 inches of leaves or dry manure, this protection must be removed early in the spring and in its place between the rows use a layer of fresh manure.

For indoor culture place 6 to 12 bulbs in pan filled with fairly sandy soil, place outdoors protected from frost until winter sets in, then remove to a light but cool corner of the cellar until February 1st, when they should be brought to gentle heat and light, water carefully; indoors this class flower in May, outdoors in July, a month earlier than the regular Gladiolus; stems and foliage very slender; these can also be grown on greenhouse benches among carnations; height, 20 inches.

	Each	Doz.	100	1000
<b>Atrovioleaceus.</b> Rich blue, very striking and handsome.....	\$0.08	\$0.75	\$6.00	\$55.00
<b>Colvilli Alba (Bride).</b> Pure white	.03	.20	1.25	9.00
<b>Blushing Bride (Delicatissima).</b> white, blotched blood red on the three lower petals.....	.03	.20	1.25	9.00
<b>Peach Blossom.</b> Beautiful soft salmon pink, with a deeper blotch of the same color.....	.03	.25	1.50	14.00
<b>Modesty.</b> Soft delicate lavender, blotched mauve.....	.04	.35	1.75	16.00
<b>Non Plus Ultra.</b> Brilliant scarlet, blotched pure white, a most attractive flower, larger than any of the foregoing varieties..	.04	.35	1.75	16.00

*New Forcing Gladiolus, Blushing Bride***LARGE FLOWERING GLADIOLUS***(Ready in December)***Varieties Suitable for Forcing**

Besides for outdoor planting in either autumn or spring; these may be successfully forced in greenhouses to bloom from March to May. A cool temperature such as required for carnations is ideal; they may be placed on benches among carnations or planted by themselves; a flower which is coming into great popularity and which should be planted by every gardener, both indoors and out.

<b>America.</b> Beautiful lavender pink wide open flowers, straight stem; a real beauty of dis-	Each	Doz.	100
tinct merit .....	\$0.06	\$0.60	\$3.50
<b>Augusta.</b> Pure white, slightly flaked pink, all flowers open on the stem at one time .....	.06	.60	3.50
<b>Brenchlyensis.</b> For brilliancy of color few can touch this one; the dazzling scarlet flowers appear simultaneously on a straight stalk .....	.03	.30	1.75
<b>May.</b> White, flaked crimson; splendid forcer and very popular .....	.05	.50	3.25
<b>Mrs. Francis King.</b> Flowers of gigantic size, soft scarlet, on stems 4 feet long often longer when grown outdoors, producing several spikes from a single bulb; one of the most effective varieties .....	.06	.60	3.50

We can also supply all other varieties of Gladiolus.

*Gladiolus America*

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.



# MICHELL'S GIANT FLOWERING IRIS

Ready in October



## IRIS PUMILA

The first of the Iris to bloom resembling in appearance the German variety; the plants are 6 inches high and are ideal when used as an edging for taller varieties or in borders or rockeries; they delight in a fairly dry, high situation, and once planted will increase in numbers.

	Each	Doz.	100
<b>Viola.</b> Dark blue .....	\$0.15	\$1.50	\$10.00
<b>Azurea.</b> Light blue .....	.15	1.50	10.00
<b>Lutea.</b> Yellow .....	.15	1.50	10.00

## IRIS KAEMPFERI (Japanese Iris)

The King of all Iris, covering a wide range of color; named sorts can be selected to cover a flowering period of 5 weeks, from the middle of June into July. The flowers, many of them when spread, measure 12 inches across. While they succeed generally in all soils, they delight and thrive best in a deep, rich location.

The names being rather awkward, we have arranged them under number so they can be ordered more readily.

**Mixed, all colors, large roots.** 15c. each, doz. \$1.50, \$10.00 per \$100.

### No. Double Varieties.

- 1 **Yomo-No-Umi.** Early double, pure white.
- 2 **Koki-No-Iro.** Rich purple, veined white.
- 3 **Kuma Funjiu.** A silver shade, bordered lilac, veined white.
- 4 **Uchu.** Rich purple with crimson shading.
- 5 **Renjo-No-Toma.** Fluted petals of light violet, white centre, with light veinings.
- 6 **Wakamurasaki.** Purplish crimson, dark centre shaded lilac.
- 7 **Hodai.** Delicate lavender, veined with deep purple.
- 8 **Mana-Dsura.** A splendid late pure white.
- 9 **Ho-O-Jo.** Deep purple, with a velvety crimson sheen.
- 10 **Geishoi.** Brilliant crimson purple, elegantly veined white.
- 11 **Kan-Ran.** Pure white, with rich veinings of deep violet.

### Single Varieties

- 12 **Tora-Odori.** Delicate lavender on white ground.
- 13 **Osakazuki.** Delicate mauve, shaded lilac.
- 14 **Komanyo.** Rich violet-blue, marked and veined white.
- 15 **Yomo-Zakuru.** Veins of deep purplish red on light ground.

Price of any of the above-named sorts, in strong roots, 25c. each, doz. \$2.50, \$15.00 per 100.

## IRIS GERMANICA (German Iris)

This is the popular "Flag Iris," thriving best in a high, dry soil; when planting observe that the growing part of the crown protrudes from the soil, and only when established should this be covered entirely; most effective when planted in masses either in the hardy border in front of shrubbery or in beds.

**Eugene Sue.** Creamy white, spotted and striped purple.

**Gypsie Queen.** Lavender-bronze, veined white.

**Gloire de Hillegom.** Light blue; very fine large flower.

**Grachus.** Crimson and white, a unique combination.

**Honorabilis.** Golden yellow, shaded rich bronze.

**Innocenza.** Pure white; very beautiful.

**Kharput.** Deep pure blue.

**Leonidas.** Clear mauve, changing to rosy mauve; very large.

**Maori King.** Rich golden yellow. 25c. each; doz., \$2.50.

**Mad. Chereau.** White, edged blue; one of the best.

**Pallida dalmatica.** Delicate lavender. 25c. each; doz., \$2.50.

**Queen of May.** Light pink; very early.

**Mixed Varieties.** All colors. 10c. each; doz., \$1.00; \$6.00 per 100.

Price of any of the above German Iris (except where noted), extra strong roots, 15c. each; doz., \$1.50; \$10.00 per 100.

## TESTIMONIALS ON HARDY PLANTS

Fairmont, W. Va.

Your shipment of perennials arrived yesterday; they certainly were a husky lot of plants and we were well pleased.

ALEX. MACELWEE.

Supt. to Hon. C. W. Watson.

Egg Harbor, N. J.

The Hardy Phlox I received from you are now in full bloom and they present a gorgeous sight. I am much pleased.

(Dr.) ALICE B. DUDEK.





(Spanish Iris)

**IRIS HISPANICA** (Spanish Iris)

Graceful slender stems, a loose but beautiful flower, the charming colors thereof produce a combination not surpassed by an orchid. The exclamation of delight at first sight given forth by those who have not previously seen them are undisputable proof of their well-deserved merit. The finest effect with them are produced when planted in clumps of 25 or a hundred bulbs and even more either in the perennial border or by themselves; the stems are from 18 to 24 inches long; flowering period in May and early June. They may also be grown in pots indoors and stored in cold frames during winter and forced in bloom from March to May. As they are a biennial they must be planted every other year.

**NAMED VARIETIES** (Large Bulbs)

	Doz.	100	1000
<b>Adeline Patti.</b> Dark bronze .....	\$0.15	\$1.00	\$7.00
<b>Alex. Von Humboldt.</b> Light blue .....	.15	1.00	7.00
<b>Belle Chinoise.</b> Dark yellow .....	.15	1.00	7.00
<b>Blanche Superbe.</b> Pure white .....	.15	1.00	7.00
<b>British Queen.</b> White, extra fine .....	.15	1.00	7.00
<b>Chrysolora.</b> Deep yellow .....	.15	1.00	7.00
<b>Emperor of the West.</b> Bronze .....	.15	1.00	7.00
<b>Jaune Brilliant.</b> Beautiful yellow .....	.15	1.00	7.00
<b>King of the Blues.</b> Deep blue, sweet scented .....	.15	1.00	7.00
<b>Midley.</b> Pale blue, early forcer .....	.15	1.00	7.00
<b>Sapho.</b> Very fine bronze .....	.15	1.00	7.00
<b>Snowball.</b> Pure white, extra .....	.15	1.00	7.00
<b>Thunderbolt.</b> Rich bronze .....	.15	1.00	7.00
<b>Mixed Colors</b> .....	.12	.75	5.50

Our bulbs of Spanish Iris and are all sure to bloom, being extra large.

**IRIS ANGLICA** (English Iris)

This type is very similar in character to the Spanish varieties, somewhat dwarfer, more robust, with heavier foliage and larger flowers, flowering two weeks later. These are not suited to forcing, blooming in June.

**NAMED VARIETIES** (Large Bulbs)

	Each	Doz.	100	1000
<b>Blanche Fleur.</b> Pure white .....	\$0.05	\$0.40	\$2.25	\$18.00
<b>L'Unique.</b> Bright claret .....	.05	.40	2.25	18.00
<b>Argus.</b> Pink and white .....	.05	.40	2.25	18.00
<b>Bavaria.</b> Light blue .....	.05	.40	2.25	18.00
<b>Mixed,</b> all colors .....	.03	.25	1.25	10.00

**IRIS SUSIANA** (Mourning Iris)

A variety originating in Asia Minor, representing a class entirely in itself, both in habit, form and color. The massive, truly gigantic flowers when fully developed often measure 4½ inches in height and 5 inches across, a most distinct coloring, viz: grayish white, finely penciled, mottled and striped deep brown; the inner falls are a solid maroon shade, coated velvety and covered with long attractive hairs. They may be grown in pots or in the border. If planted outdoors, select a well-protected location; add sand to a heavy soil and dry manure. Cover with long manure during winter.

**Strong Bulbs,** 20c. each; \$2.00 doz.; 100, \$15.00.

**IXIA**

A charming little stove and conservatory bulb. It may also be planted outdoors if put in a protected position with plenty of covering during winter, in well-drained soil.

**Crateroides.** A brilliant scarlet variety; forces very readily. 3c. each; per doz., 25c.; \$1.75 per 100; per 1000, \$15.00.

**Mixed.** 12c. per doz.; per 100, 75c.; \$5.00 per 1000.

**LACHENALIA** (Cape Cowslip)

They should be grown in a cool place; where they will remain in bloom for six weeks. For indoor culture only.

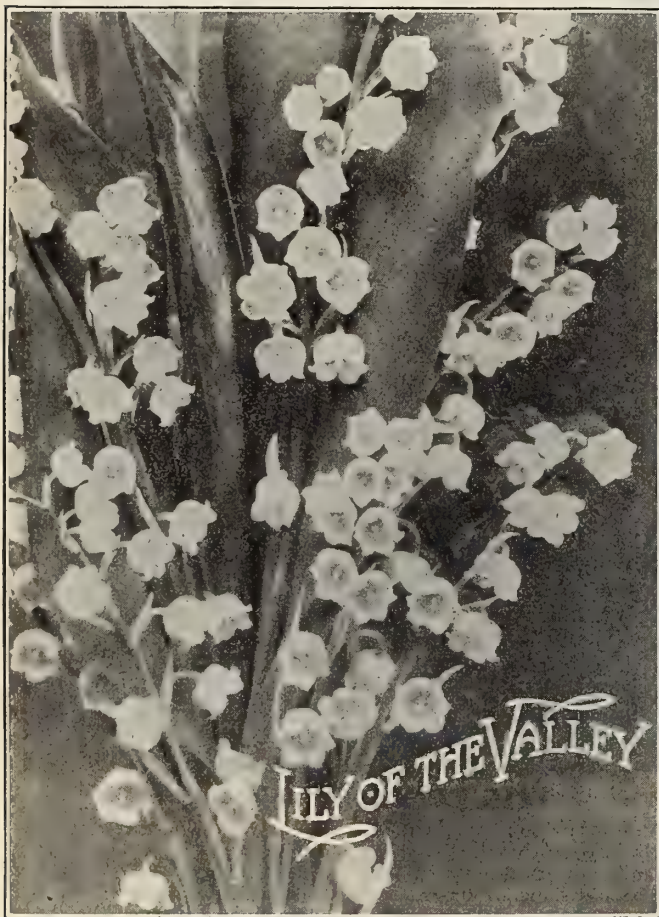
**Pendula.** Vermilion, tipped green and purple; very odd. 20c. each; per doz., \$2.00; \$12.50 per 100.



**LEUCOJUM VERNUM** (Spring Snowflake)

See page 37 for illustration.

A beautiful early flowering bulb, rivaling for earliness with the snowdrop. Planted in clumps of from 25 to 100 bulbs among shrubbery in herbaceous beds, they show off to best advantage; color, pure white tipped green on the flower petal. These may also be forced gently for indoor blooming, flowering then about March; outdoors they bloom just as winter breaks up and the last snow is melting; we can recommend it highly; height about 7 inches. 3c. each; per doz., 25c.; \$1.50 per 100; per 1000, \$12.00.

**LILY OF THE VALLEY** (Ready in December)

A beautiful pure white flower; principally used for winter forcing. Very fragrant and produced in abundance. For indoor culture plant about 25 pips or roots in a 7-inch pot or pan, place outside, where they should be left until they have been subjected to several nights' freezing, which brings them into flower more readily. When grown outdoors always plant in a shaded place, preferably moist. They bloom in four weeks inside and, if planted at intervals, a succession of flowers can be had all winter. While the pips are adapted for outdoor culture, we especially recommend the clumps, for this purpose, as they give a quicker and better effect at less cost. These should be set about 12 inches apart each way, while the pips about 4 inches apart each way; outdoors they bloom in May.

**Michell's Fancy Giant Flowering.** This is the finest strain of Valley procurable. 40c. per doz.; per 100, \$2.50; \$20.00 per 1000.

**Michell's Berlin Pips.** For forcing. 25c. per doz. (by mail, 30c.); 50c. for 25; \$1.75 per 100; per 1000, \$16.00.

**Clumps.** (Ready in November.) For outdoor planting only. 25c. per clump; per doz., \$2.50; \$18.00 per 100.

**COLD STORAGE LILY OF THE VALLEY**

**Berlin.** \$3.00 per 100; per 250, \$7.00.

**Michell's Fancy Giant Flowering.** \$3.50 per 100; per 250, \$8.50.

**MONTBRETIA**

(Ready in November)

A beautiful flowering bulb resembling a miniature Gladioli, absolutely hardy, and only effective if planted in masses from 50 to 100 bulbs in a clump. The bulbs can be planted as long as the ground is open, about 3 inches deep; they can also be planted in the early spring; height, 24 inches.

**Crocsmiaeflora Type.** Scarlet and yellow.

" **Aurantiaca.** Deep golden yellow.

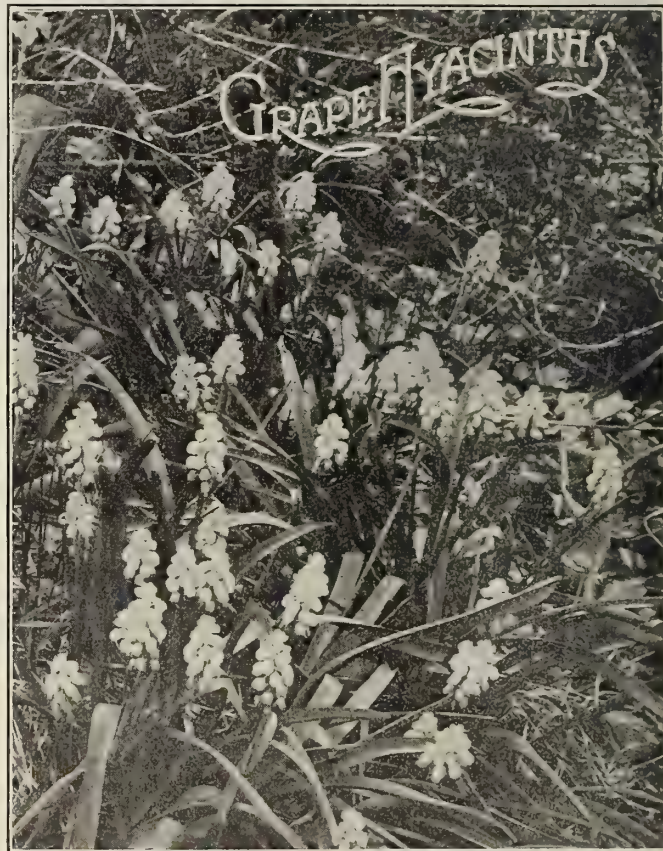
" **Etoile de Feu.** Vermilion with yellow centre.

" **Pottsii.** Large, orange scarlet.

" **Speciosa.** Golden yellow.

" **Rayon d'Or.** Light yellow, spotted brown.

Price of any of the above: 3c. each; doz., 30c.; \$2.00 per 100.

**MUSCARI BOTYROIDES** (Grape Hyacinth)

As boys and girls we probably knew these better as "Blue Bells"; this charming bulb is worthy of the best place in the flower garden. Plant them in clusters of 25 or more bulbs; for edging in double rows they are very effective around late tulip or daffodil beds, but they belong rightly in the hardy garden where they may remain undisturbed, increasing yearly in quantity and beauty. For forcing, 12 or more to a 6-inch pot or pan, they are fine, being handled like forcing tulips or hyacinths; outdoors they bloom in May; height, 6 inches.

	Doz.	100	1000
<b>Album.</b> White .....	\$0.20	\$1.00	\$8.50

<b>Coeruleum.</b> Blue .....	.15	.75	5.50
------------------------------	-----	-----	------

**Monstrosum** (Feathered or Plumed Hyacinths). This type is a violet blue, very interesting, resembling a wavy plume; grows about 12 inches high and thrives anywhere. Per doz., 25c.; \$1.25 per 100; per 1000, \$10.00.



**ORNITHOGALUM (Star of Bethlehem)**

An attractive flowering bulb for either indoor or outdoor culture. Pure white petal, petal streaked light green with a black flower centre. These are highly fragrant and are especially desirable for planting in woodlands for naturalizing; when used for this purpose, 6 to 12 bulbs should be planted in a clump. For indoor culture, treat them like hyacinths. Flowering time outdoors, April and May; sweet scented blooms appearing in umbels of 8 or 10 flowers to a stalk; height, 1 foot.

	Each	Doz.	100	1000
Arabicum .....	\$0.05	\$0.40	\$2.50	\$22.50

**Bermuda Buttercup Oxalis****OXALIS (Winter Flowering)**

For conservatory, greenhouse and window garden culture the Oxalis is ideal. It succeeds anywhere and with anyone, flowering often in 6 to 8 weeks after planting. The Grand Duchess and Buttercup class are best for pot culture, the others for hanging basket purposes, although all may be grown successfully either way. Plant at least 6 bulbs of any variety in a suitable size receptacle, place them in a cool, dark place for about two to three weeks till thoroughly rooted, watering as required. The flowering period extends during the entire winter. For indoor planting only. To keep Oxalis free from insects, an occasional application of tobacco dust has proven to be best.

<b>Bermuda Buttercup.</b> Pure yellow, free flowering variety. Large bulbs.....	Each	Doz.	100	1000
Monster bulbs .....	\$0.03	\$0.25	\$1.50	\$12.00
<b>Bowei.</b> Large flowering, rich pink, very beautiful. First size bulbs.....	.05	.50	3.00	25.00
<b>Bowei.</b> Giant bulbs.....	.03	.25	1.50	12.00
<b>Bowei.</b> Giant bulbs.....	.05	.50	3.00	
<b>Grand Duchess.</b> A distinct bushy upright growing variety, suited best for pot culture; the flowers are gigantic:				
Yellow .....	.03	.25	1.50	10.00
Lavender .....	.03	.25	1.50	10.00
White .....	.03	.25	1.50	10.00
Pink .....	.03	.25	1.50	10.00
<b>Double Yellow (Lutea, Fl. Plena)</b> .....	.04	.35	2.00	15.00
<b>Pink (Hirta Rosea)</b> .....	.03	.25	1.50	10.00
<b>Versicolor.</b> Red, Violet and White.....	.03	.25	1.50	10.00
<b>White (Multiflora Alba)</b> .....	.03	.25	1.50	10.00
<b>Yellow (Lutea Simplex).</b> Single .....	.03	.25	1.50	10.00
<b>Mixed.</b> All colors .....	.02	.15	1.00	8.00

6 Bulbs of any variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.

**MICHELL'S BULB GROWING GUIDE**

A complete treatise on growing all bulbs offered in this Catalogue indoor or outdoors. Free for the Asking.

**PUSCHKINIA LIBANOTICA**

(Striped Squill or Scilloides)

This belongs to the family of Scillas and is among the most beautiful of all. The flowers, which are borne on spikes, are a beautiful combination of white and pale blue, having a stripe of the latter down each flower petal. It rivals in early spring beauty with the Snowdrop and Scilla Siberica, especially desirable for edging beds and borders or for planting in clumps of 25 to 100 bulbs; it can be flowered very easily indoors; plant 12 to 25 bulbs in a suitable pot or pan and leave covered outdoors until thoroughly rooted; height, 6 to 8 inches; flowering outdoors in April and May. 3c. each; doz., 25c.; \$1.50 per 100; per 1000, \$12.00.

**ORDER BULBS EARLY**

Our bulbs have such a splendid reputation we are frequently sold out of some varieties early. We, therefore, recommend the placing of orders as soon as our Catalogue is received.



# MICHELL'S GORGEOUS (GIANT FLOWERING) PAEONIES

This "Queen of Spring" holds a place entirely her own in effective gardens. The exquisite form, the delicate and rich colors, its value for garden or house decoration, and the delightful fragrance are all points in its favor. No disease or insect ever troubles this plant. The best effect of Pæonies is attainable when massed by themselves in groups on lawns or borders with a distinct background of shrubbery. They delight in a sunny location in soil rich and as deep as possible. After planting take care to see they are watered regularly until you feel they are established. At blooming time the size and quality of flower are greatly increased if water is supplied in absence of occasional rains. In planting always take care to see that the crown or top of root is not more than 1 to 2 inches below the surface when covered. The roots are perfectly hardy and once planted remain for years, increasing in size. Roots can be delivered beginning in April or in the autumn beginning in September. All our roots are extra strong and will give fine results.

Attention is called particularly to our revised list of named varieties, which includes the very finest sorts. The day of the common garden pæony is about over, the improved named sorts, which cover every imaginable shade of color, being sought after instead. We send out only extra strong roots.



A beautiful effect can be had from Paeonies planted in this fashion

## SUPERB NAMED DOUBLE PAEONIES

During recent years wonderful progress has been made in the production of newer sorts, and no choice garden can afford to be without a good collection of these magnificent named varieties, as they furnish a continuous supply of bloom during pæony season. The varieties are numerous but the shades of color are confined to a limited number, and for that reason we offer a short list that we have selected from a great many sorts; these having proven to be the best.

### PINK SHADES

	Each	Doz.
<b>Achille.</b> Beautiful shell pink, changing to lilac white. Splendid variety .....	\$0.25	\$2.50
<b>Beaute Francaise.</b> Lilac-rose, with a cream white collar; centre spotted carmine. Very fragrant....	.35	3.50
<b>Berlioz.</b> Perfect form. Large magenta rose color; silver tipped. Late.....	.35	3.50
<b>Dr. Bretonneau.</b> Lilac rose, with cream white centre, flecked crimson.....	.25	2.50
<b>Carnea Elegans.</b> Of a clear flesh color, glossy reflex. A free bloomer .....	.35	3.50
<b>Charlemagne.</b> Excellent, very large flowering variety. Lilac white, with a light pink centre. Fragrant .....	.50	5.00
<b>Clarisse.</b> Beautiful rose pink, with silvery pink centre, fine form and habit .....	.25	2.50

### PINK SHADES

	Each	Doz.
<b>Delicatissima.</b> Pale lilac rose, free habit and fragrant .....	.50	5.00
<b>Edulis superba.</b> Beautiful shaped flower of a bright mauve pink color, with narrow edges of lilac. One of the best early sorts .....	.25	2.50
<b>Eugenie Verdier.</b> Giant globe-shaped flower of a soft pink color. Mid-season .....	.50	5.00
<b>Faust.</b> Delicate flesh pink, with a clear salmon centre .....	.25	2.50
<b>Grandiflora Rosea.</b> Full globe-shaped flower, light solferino red petals, salmon centre.....	.25	2.50
<b>L'Indispensable.</b> Perfect shaped flower of a delicate creamy color, beautifully shaded pink in centre. Very striking variety .....	.50	5.00

We send out extra large Paeony Roots



## MICHELL'S SUPERB NAMED PAEONIES—Continued

## PINK SHADES—Continued

	Each	Doz.
<b>Mme. Forel.</b> Late desirable sort. Very large compact flowers of a beautiful shade of light pink, with a silvery tipped centre ..... \$0.50	\$5.00	
<b>Madame Jules Calot (F).</b> Pale pink, with a slightly darker centre. Extra early variety. Fine for cut flowers ..... 1.00	10.00	
<b>Mons. Krelage.</b> Grand flowers of dark pink color. Large and compact. Very desirable variety..... .50	5.00	
<b>Paganini (F).</b> Bright pink, with salmon center. Fine variety for cutting ..... .75	7.50	
<b>Plenissima Rosea superba (F).</b> Lilac rose, with silver tipped centre, flecked crimson and green... .75	7.50	
<b>Zoe Calot (F).</b> Very large, globe-shaped flower, well filled. Delicate pink ..... .75	7.50	

## RED AND DARK SHADES

<b>Andre Laurias (F).</b> Very large, compact flower, of a splendid dark rose shade, with red reflex and white splashes. Very late; extra fine variety.... 1.50	16.00	
<b>Anemoneflora Rubra.</b> Anemone form, having a broad collar and a mass of narrow petals in the centre; a beautiful dark crimson ..... .35	3.50	
<b>A. Verschaffelt (F).</b> Deep purple amaranth. Globular, compact flower ..... .75	7.50	
<b>Delachi.</b> Large flowers of a deep purple color; free bloomer ..... .35	3.50	
<b>Duc de Cazes (F).</b> Dark pink, with silvery collar. Free bloomer and very fragrant ..... .75	7.50	
<b>Emile Lemoine (F).</b> Solferino. Red, with silvery tips. Very fragrant ..... .75	7.50	
<b>Felix Crousse.</b> Large bright red flowers on long stems. Extra fine, self-colored variety ..... .50	5.00	
<b>General MacMahon.</b> Large anemone-shaped flower of a deep violet color. Magnificent variety..... .50	5.00	
<b>Gloire de Douai (F).</b> Purplish scarlet. Large flower, suitable for cutting ..... .75	7.50	
<b>L'Eclatante.</b> Large globular flower of brilliant red color; very good variety ..... .75	7.50	
<b>Madame Jules Elie (F).</b> Splendid globe-shaped flower of a violet rose color, cream white collar and centre flecked crimson. Mid-season ..... 1.00	10.00	
<b>Marechal McMahon (F).</b> Large showy flower of dark reddish pink, with a silvery reflex. Mid-season ..... 1.00	10.00	
<b>Meissonier.</b> Loose reddish purple flowers on tall stems. Very fragrant. Very good variety ..... .35	3.50	
<b>Van Dyck (F).</b> Pure mauve, with cream white collar. Very fragrant. Free bloomer. Splendid for cutting ..... .75	7.50	
<b>Victor Hugo.</b> One of the very best of red paeonies. Brilliant carmine red. Unsurpassed for cutting.. .75	7.50	

## WHITE AND LIGHT SHADES

<b>Agnes Mary Kelway.</b> The outer large petals are white tinted rose, while the centre is a cream shade; a very striking flower ..... .25	2.50	
<b>Alba Plena.</b> A giant flower of the purest white; very double. Of superb fragrance ..... .25	2.50	
<b>Bridesmaid (F).</b> A distinct and beautiful variety, producing full double flowers of a rosy white color, with wide incurved petals showing an open centre, filled with yellow stamens like a water lily..... 1.00	10.00	
<b>Candidissima.</b> Creamy white, with a clear, sulphur-yellow centre, which shows an occasional slight tint of flesh pink ..... .50	5.00	
<b>Couronne d'Or.</b> Immense, very full, imbricated ball-shaped form; color, snowy white with yellow reflex and deep pink edges on a few petals ..... .50	5.00	
<b>Duc de Wellington.</b> Large, sulphur-white flower of great fragrance and with long stems ..... .35	3.50	
<b>Duchesse de Nemours.</b> Pure white, with a sulphur white centre; very early and extra fine ..... .30	3.00	
<b>Festiva maxima.</b> Beautifully shaped flower, often 7 to 8 in. in diameter. Pure white, splashed red.... .30	3.00	
<b>Dr. Bretonneau.</b> Lilac rose, with cream-white centre, flecked crimson..... .25	2.50	

## WHITE AND LIGHT SHADES

	Each	Doz.
<b>Grandiflora Carne plena (F).</b> One of the earliest. Large flowers of a delicate lilac-white color. Very desirable variety ..... \$0.75	\$7.50	
<b>Humei Alba (F).</b> Lilac white. Early flowering. Large, flat, loose type ..... .75	7.50	
<b>La Rosiere.</b> Of striking appearance; imbricated petals of yellowish white, with straw yellow centre. Looks like a large tea rose ..... .35	3.50	
<b>L'Esperance (F).</b> Milk white. Crown splashed and dotted pink. Free flowering and very fragrant.. .75	7.50	
<b>Lutea variegata (F).</b> Delicate fleshy white, shaded yellow ..... .75	7.50	
<b>Mad. Fould (F).</b> Late flowering. The flowers are very large and compact. Outer petals milk white, center, lilac white; very slightly flecked with crimson. Excellent for cut flowers. One of the finest white varieties ..... 3.00	30.00	
<b>Marie Lemoine.</b> Very large, compact flower of lasting qualities. Delicate white rose, with a creamy centre ..... .50	5.00	
<b>Mlle. Leonie Calot.</b> Delicate rose white, centre petals slightly tipped carmine. Mid-season ..... .50	5.00	
<b>Nivea plenissima (F).</b> White, with light yellow carmine spots. Early variety ..... .75	7.50	

## PAEONY CHINENSIS

This is the common garden variety in cultivation most everywhere.

	Each	Doz.	100
<b>Double Red.</b> Large roots ..... \$0.25	\$2.50	\$15.00	
<b>Double White.</b> Large roots ..... .25	2.50	15.00	
<b>Double Pink.</b> Large roots ..... .25	2.50	15.00	
*Extra Large 3-year-old roots of the above variety and colors..... .50			
	5.00	35.00	
<b>Mammoth.</b> 4-year-old clumps of above, \$1.00 each; doz., \$10.00.			

(\*These clumps cannot be mailed, too heavy.)

## PAEONY OFFICINALIS (The old fashioned Paeony)

Fragrant flowers of immense size, flowering early in May and having a distinct foliage and growth.

	Each	Doz.	100
<b>Rosea.</b> Double pink ..... \$0.30	\$3.00	\$20.00	
<b>Rubra.</b> Double red ..... .30	3.00	20.00	
<b>Alba.</b> Double white ..... .30	3.00	20.00	

One each of the above 3 colors for 75c.

## PAEONIA TENUIFOLIA Flore Plena

An early flowering specie with fern-like foliage and double deep crimson flowers, a shade like the Jacq Rose; this is undoubtedly one of the most attractive paeonies in cultivation, excellent for massing or planting individually in the herbaceous border, blooming very early in May, sometimes latter part of April, makes an exceedingly attractive plant. Each, 30c.; per doz., \$3.00; \$20.00 per 100.

## DOUBLE TREE PAEONIES

These very beautiful and free-flowering paeonies deserve to be included in every collection. They are from 2 to 3 weeks earlier than any other variety and the flowers, often measuring a foot in diameter, include every shade from white and softest pink to the most brilliant scarlet and purple

**Etna.** Brilliant fiery red.  
**Louise Mouchelet.** Beautiful silvery rose; extra large flower.  
**Queen of Belgians.** Blush shaded salmon rose. Splendid variety.  
**Rosea superba.** Salmon rose; semi-double. Beautiful.  
**Bijou de Chusan.** White, suffused with blush; splendid form.  
**Lambertiana.** Pure white, suffused with delicate rose.

Any of the above varieties \$1.00 each; per dozen, \$10.00, (or 1 of each for \$5.00).

Paeony Culture is fully covered by Michell's Bulb Grow-ing Guide. Ask for a free copy.





Ranunculus

**RANUNCULUS (Buttercups)**

An attractive flower resembling a giant double buttercup or small double poppy. They should be grown in pots indoors for winter blooming or in frames outdoors for early spring flowering. The bulbs retain their substance for a long while and may also be planted outdoors latter part of March or early April in a shaded place (moist preferred). Then blooming in June. They cover every shade of crimson, white, purple and yellow. Many of the flowers being beautifully marked; height, 12 inches.

**Double Giant Persian.** Mixed. Each 2c., doz. 15c., 100 75c., 1000 \$6.00.

**Double Giant French.** Mixed. Each 2c., doz. 15c., 100 75c., 1000 \$6.00.

**Double Giant Turban.** Mixed. Each 2c., doz. 15c., 100 75c., 1000 \$6.00.

**PANCRATIUM LILY (Ismene Calathina)**

As a summer and winter flowering bulb this has few equals; planted outdoors in May it will bloom all season. In September it may be lifted, allowed to die off and started in pots about December, 1 bulb to a pot. It usually commences flowering three weeks after planting; height, 12 inches; flowers a beautiful waxy white and deliciously fragrant. Large bulbs 15c. each, per doz. \$1.50, \$10.00 per 100.



Pancratium Lily

**SPARAXIS**

A small bulb bearing a very large flower often 2 inches across, on long, graceful stems; they resemble somewhat the Ixia in shape. The range of colors is very great and they are most attractive for indoor blooming, as they are not hardy. Plant 6 to 12 bulbs in a pot for the best effect.

**Mixed Colors.** 2c. each; per doz., 15c.; 75c. per 100; \$6.00 per 1000.



Scilla Siberica



SCILLA CAMPANULATA

**SCILLAS (Squills, Wood Hyacinths, Blue Bells, etc.)**

With winter hardly over, and nothing but possibly the Snowdrop in bloom, the Scilla looms into flower, with almost miraculous rapidity. It is richly colored and produced in quantity, staying in flower for a long while. For massing round tulip, hyacinth or even daffodil beds nothing can equal it; for planting among shrubbery in herbaceous beds in clusters of 50 or more bulbs its blaze of color is wonderfully effective on a dreary spring morning. Once planted it remains for years; the bulbs increasing in size and number. The Campanulata types are extensively used for naturalizing in woodlands. They all do well if planted indoors in pots or pans, not less than a dozen to a crock, a continuous flowering period may thus be had from Christmas until April.

**SCILLA CAMPANULATA (Wood Hyacinth)**

Tall flowering type, with broad fleshy foliage.

	Doz.	100	1000
Blue .....	\$0.20	\$1.00	\$7.50
White .....	.20	1.25	10.00
Pink .....	.20	1.25	10.00

**SCILLA SIBIRICA (Squills)**

	Doz.	100	1000
<b>Coerulea.</b> Blue; large bulbs .....	\$0.20	\$1.00	\$8.50
" " mammoth bulbs.....	.25	1.50	12.50

**Scilla Peruviana.** Blue (Meerzwiebel). 20c. each; doz., \$2.00;

**STERNBERGIA LUTEA (Autumn Daffodil)**

Allied to the Amaryllis this is frequently termed the hardy variety of that class. It blooms in October if set out in September, at a time when flowers are generally scarce. It resembles a large crocus, but with fleshy flower petals. Perfectly hardy, pure yellow; height, 10 inches; no leaves appear in the autumn with the flowers. Each 5c.; 50c. doz.; 100, \$3.00; \$27.50 per 1000.



*Elwee's Giant Snowdrops***SNOWDROPS** (*Galanthus*)

No spring flowering bulb plays a more important part in the garden than does this somewhat insignificant variety. 'Neath ice and snow often early in March; yes frequently in February you can see it sticking forth its flower spike as though exclaiming I can't wait for spring to come. What can gladden the heart more than this? A combination of Crocus, Scillas and Snowdrops make a glorious effect when planted promiscuously in a border; one follows the other in flowering and a change of color with each one suggests a floral treat hard to equal at the time of year they flower—*February till April*. They are perfectly hardy; should be planted in masses of 50 or more bulbs. They also flower well in pots indoors.

	Each	Doz.	100	1000
<b>Single Elwesii Giant.</b> Pure white	\$.02	\$0.15	\$1.00	\$7.50
<b>Double.</b> Pure white	.03	.25	1.50	12.00

*Spring Snowflake (See opposite)***SPIREA** (*Astilbe*) *Ready in November*

This is a favorite Easter flowering plant rivaling with the lily. If wanted for indoor blooming, pot the roots on arrival, water well and place outdoors for about 6 to 8 weeks. They may be brought in and placed in a moderately warm room, the cooler, without freezing, however, the better. They can be made to flower almost any time by bringing them to a warmer place. For outdoor they are fine in hardy borders; flowering in June.

**Astilboides Floribunda.** A very plummy, fluffy variety; pure white. Large Clumps, 15c. each; per doz., \$1.50; \$9.00 per 100. Monster Clumps, 25c. each; doz., \$2.50; \$15.00 per 100.

**Compacta Multiflora.** Of dwarf habit, very compact growth; pure white. Large Clumps, 15c. each; per doz., \$1.50; \$9.00 per 100. Monster Clumps, 25c. each; doz., \$2.50; \$15.00 per 100.

**Gladstone.** One of the newer varieties. It is the best white sort in existence to-day, producing an immense plant with a mass of flowers. Extra Large Clumps, 25c. each; per doz., \$2.00; \$12.50 per 100. Monster Clumps, 50c. each; per doz., \$5.00; \$30.00 per 100.

**Japonica.** The old type of white Spirea, growing taller than the other sorts. 15c. each; per doz., \$1.00; \$6.50 per 100.

**Queen Alexandra.** A beautiful shade of pink. The plant should be shaded as it comes into bloom in order to bring the flower to full perfection. Large Clumps, 25c. each; per doz., \$2.50; \$5.00 for 25; per 100, \$17.50.

**Philadelphia.** A new beautiful pink variety, an improvement on Queen Alexandra. 50c. each; doz., \$5.00; \$9.50 for 25; per 100, \$35.00.

**Washington.** Pure white, similar to Gladstone; splendid decorative variety. Large Clumps, 25c. each; doz., \$2.00; \$12.50 per 100.

*New Pink Spirea, Queen Alexandra (See above)***ZEPHYRANTHES** (*Fairy Lily*)

A splendid pot plant for winter, of easiest culture. Planted outdoors in May, they flower the entire season. Each Doz.

<b>Treata Rosea.</b> Pink flowers	.....	\$0.05	\$0.50
<b>Treata Alba.</b> White flowers	.....	.05	.50

**SPRING SNOWFLAKE** (*Leucojum Vernum*)

Beautiful early flowering bulb, rivaling for earliness the Snowdrop. Plant in clumps of 25 to 100 bulbs, for a good effect. Color, pure white tipped green; may also be used for flowering indoors; height, about 7 inches. Each, 3c.; 25c. doz.; per 100, \$1.50; \$12.00 per 1000.

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates



# MICHELL'S DISTINCTIVE FLOWER SEEDS

## FOR AUTUMN AND EARLY WINTER SOWING

*For Complete List of Flower Seeds see our General Catalogue for 1913*

For the convenience of our customers and to facilitate the filling of orders, we have affixed numbers to all varieties of Flower Seeds, and in ordering it is only necessary to give quantity wanted and the number.

## ACHILLEA (Milfoil or Yarrow)

- |    |  |            |        |
|----|--|------------|--------|
|    |  | Large Pkt. | Pkt.   |
| 20 | <b>Ptarmica, Fl. Pl. "The Pearl."</b> Tall erect plant bearing pure white double flowers in great profusion all summer; perennial; 2 feet..... | \$0.30     | \$0.10 |

## ACONITUM (Monk's Hood or Helmet Flower)

Perennial, thriving best in semi-shady situations; height, 4 feet;  
Aug.-Sept.

- |    |                     | Large Pkt. | Pkt.   |
|----|---------------------|------------|--------|
| 25 | Napellus Blue ..... | \$0.25     | \$0.05 |
| 27 | " White .....       | .40        | .05    |

**ADONIS**

- 42 **Vernalis** (*Ox Eye*). One of the choicest spring  
flowering plants; finely cut, ornamental foliage;  
yellow flowers; perennial; 1 foot..... .15 .05

## AGROSTEMMA

- 66 **Coronaria** (*Mullein Pink*). Stout erect growing perennial with silvery foliage and crimson flowers; 2½ to 3 feet; July and August..... .15 .05

## ALYSSUM

One of the most popular garden flowers, for beds, edgings, rock-work or vases; also useful for winter flowering.

- |    |   | Large Pkt. | Pkt.   |
|----|---|------------|--------|
| 71 | <b>Little Gem.</b> Dwarf compact plants, densely covered with pure white flowers; 4 inches. .oz. 50c.   | \$0.15     | \$0.05 |
| 74 | <b>Little Dorrit.</b> Extremely dwarf and compact, forming perfect little bushes with miniature white flowers; ideal for narrow edges; oz. 75c. | .20        | .05    |
| 73 | <b>Sweet.</b> The popular old-fashioned sort, the best for broad edges and vases. Pure white; height, 6 inches.....oz. 25c                      | .15        | .05    |
| 72 | <b>Saxatile Compactum</b> ( <i>Basket of Gold</i> ). Showy golden yellow flowers; hardy perennial; 1 foot; oz. 50c.                             | .15        | .05    |

## ANTIRRHINUM (Snapdragon)

A splendid plant for beds or borders and one of our choicest cut flowers; extensively forced under glass during the winter. If plants are protected through the winter they will revive during spring and throw up gigantic spikes of flowers during the summer.

## MICHELL'S GIANT ANTIRRHINUMS

This strain produces stout heavy spikes, 2 to 3 feet in length, with giant flowers. Used extensively for forcing. Large Pkt. Pkt.

- |     |  |          |        |
|-----|--|----------|--------|
| 127 | <b>Michell's Giant Salmon Pink.</b> A valuable addition to this popular flower; long spikes of a delicate salmon pink color..... | \$0.40   | \$0.15 |
| 109 | <b>Silver Pink</b> ( <i>New</i> ). A fine variety; long spikes and a profuse bloomer. Original pkts., \$1.00.                    |          |        |
| 113 | <b>Giant Pink</b> .....  | \$0.25   | \$0.10 |
| 114 | " <b>Scarlet</b> .....   | .25      | .10    |
| 121 | " <b>Striped</b> .....   | .25      | .10    |
| 115 | " <b>White</b> .....   | .25      | .10    |
| 116 | " <b>Yellow</b> .....  | .25      | .10    |
| 117 | " <b>Mixed.</b> All colors.....  | .20      | .10    |
| 125 | " <b>Double White</b> ( <i>New</i> ).....  | .50      | .25    |
| 126 | " <b>Venus</b> ( <i>New</i> ). Shell pink on white ground  | .40      | .20    |
| 122 | <b>Tall Mixed.</b> A fine selection.....   | oz. 40c. | .15    |
| 124 | <b>Imported Collection, 10 Tall Varieties</b> .....  |          | .40    |

## SEMI-DWARF ANTIRRHINUMS

The plants grow but 18 inches high, but have extreme large flowers over most part of the stem: very showy. Large Pkt. Pkt.

- |     |   |            |        |
|-----|---|------------|--------|
| I11 | <b>Daphne.</b> Carmine pink, white throat.....        | Large Pkt. | Pkt.   |
| I10 | <b>Firefly.</b> Bright scarlet.....                   | \$0.40     | \$0.15 |
| I19 | <b>Golden Queen.</b> Golden yellow, giant flowers.... | .20        | .10    |
| I20 | <b>Queen of the North.</b> Of purest white.....       | .20        | .10    |

### DWARF ANTIRRHINUMS

Grow but 12 inches high and are most suitable for edges.

- |     |   |     |     |
|-----|---|-----|-----|
| I18 | <b>Golden Sun.</b> Foliage yellow, flowers rosy white with crimson spots..... | .40 | .15 |
| I12 | <b>Dwarf Mixed.</b> All colors.....   | .20 | .05 |
| I23 | <b>Imported Collection, 10 Dwarf Varieties.</b> .....                         |     | .40 |

**AMPELOPSIS** (Boston or Japanese Ivy)

- |     |                 |   |            |        |
|-----|-----------------|---|------------|--------|
|     |                 |   | Large Pkt. | Pkt.   |
| 100 | <b>Veitchi.</b> | A hardy perennial climber from Japan, with olive-green leaves, which turn to scarlet in the autumn; one of the best hardy vines for covering brick or stone buildings; oz. 40c..... | \$0.15     | \$0.10 |

## ANCHUSA (Sea Bugloss)

- 102 **Italica, "Dropmore Variety."** A perennial plant 4 feet high, with rough hairy foliage and long heads of bright blue flowers the whole season. \$.40 \$0.15

## ANTHEMIS (Hardy Marguerite)

- 108 *Tinctoria Kelwayi*. A handsome hardy perennial, bearing all summer, daisy-like bright yellow flowers; 2 feet..... .15 .10

## Imported Collections Perennial Flower Seeds

Collection containing 12 Distinct Sorts.....	\$0.40
" " 25 " " .....	.75

## TESTIMONIAL

Henry F. Michell Co.,  
Philadelphia, Pa.

Jan. 26th, 1913.

Gentlemen:—I want to compliment you on the excellent quality of your flower seeds, especially hardy perennials, of which we have recently made an extensive sowing. We have used your seeds for a great many years, and never had a complaint to make.

Yours very truly,

Yours very truly,  
EDWARD CAVANAUGH, Gardener,  
West Laurel Hill Cemetery.



**Giant Snapdragon (*Antirrhinum*)**



*Anemone St. Brigid***ANEMONE (Wind Flower)**

A dainty spring flower with bright cup-shaped blossoms; splendid for cutting; perennial. Large Pkt. Pkt.

- 105 **Coronaria Mixed.** 2 feet; all colors.....\$0.20 \$0.05  
 107 **St. Brigid, or Poppy.** Flowers of large size with distinct rainbow rings in centre..... .40 .15

**AQUILEGIAS OR COLUMBINES**

An elegant, graceful, beautiful spring flowering perennial, producing exquisitely spurred flowers on stems rising 2 feet above the fern-like foliage; splendid for cutting. Large Pkt. Pkt.

- 139 **Long Spurred Hybrids.** A great assortment of all varieties possessing long spurs.....\$0.40 \$0.10  
 129 **Canadensis.** Scarlet and yellow..... .25 .05  
 130 **Chrysantha.** Bright golden yellow..... .25 .10  
 131 " **Alba.** Purest white..... .30 .10  
 128 **Californica Hybrida.** All colors, long spurs..... .25 .10  
 132 **Coerulea (Rocky Mountain Columbine).** Large flowers; violet blue and white..... .40 .10  
 136 **Glandulosa Vera.** Lavender and white..... .40 .15  
 133 **Haylodgensis Delicatissima.** Satiny rose..... .50 .20  
 137 **Nivea Grandiflora.** Pure white..... .15 .05  
 138 **Rose Queen.** Pink, white centre..... .50 .20  
 134 **Single Mixed.**.....oz. 35c. .15 .05  
 135 **Double Mixed.**.....oz. 35c. .15 .05

**ARABIS (Rock Cres\*)**

- 144 **Alpina.** Early spring flowering perennial, especially adapted for edging and rockery; plants form a dense carpet completely covered with pure white blossoms; May; 6 inches..... .15 .05

**ASPARAGUS**

- 160 **Plumosus Nanus.** An excellent plant for house or conservatory decoration or cutting on account of its graceful, finely cut foliage; will remain fresh a long time after being cut.....\$1.00 \$0.25  
 158 **Hatcheri.** Dainty fern-like fronds set close together along the stalk..... 1.50 .25  
 162 **Sprengeri.** One of the best plants to grow in hanging baskets, for greenhouse in the winter or for outdoors in the summer..... .50 .10

**ASPERULA (Woodruff)** Large Pkt. Pkt.

- 165 **Odorata.** Dwarf spring flowers of purest white; thrives in shady situations; perennial; 1 foot; May.....\$0.20 \$0.05

**ASTER PERENNIAL (Michaelmas Daisy)**

- 328 **Choice Mixed.** The showiest of our late flowering plants and very effective if planted in groups of colors. The bushy plants are surmounted with hundreds of star-like single flowers.....\$0.30 \$0.10

**AURICULA (Primula Auricula)**

- 410 **Choice Mixed.** These early flowering perennial plants resemble primroses and have multi-colored flowers in great variety; 1 foot; May... .50 .10

**BAPTISIA (False Indigo)**

- 442 **Australis.** A strong growing perennial plant about 2 feet high, with dark green, deeply cut foliage and spikes of dark blue flowers in June and July..... .20 .05

**BEGONIA (Semperflorens Type)**

The following varieties are extensively used for bedding; they are also excellent for pot plants for winter flowering.

- 471 **Vernon.** Rich orange-carmine flowers and bronzy red foliage.....\$0.30 \$0.10  
 455 **Anna Regina.** Rose-colored flowers..... .65 .15  
 459 **Erfordia.** Delicate pink; one of the choicest.... .40 .15  
 463 **Queen of Carpet Bedders.** Of compact dwarf growth and in appearance the same as "Vernon"..... .40 .15  
 473 **Zulu King.** Blood red flowers and dark red leaves and stem..... .65 .15  
 467 **Choice Mixed.** All sorts and varieties..... .40 .10

**BEGONIA GRACILIS**

- 458 **Gracilis Rosea.** Light pink..... .40 .15  
 457 " **Luminosa.** Deep red..... .50 .20  
 456 " **Alba.** Pure white..... .40 .15  
 460 " **Prima Donna.** Rose, shading to carmine..... .20

**BEGONIA (Tuberous Rooted)**

- 461 **International Prize.** An unrivaled strain; seed saved only from the best selected blooms..... .25  
 469 **Single.** Extra choice mixed..... .65 .15  
 470 **Double.** Choicest strain, mixed..... .25

**BEGONIA (Ornamental-Leaved)**

- 464 **Rex Hybrids.** Beautiful varieties with variegated foliage; choice mixed..... .65 .25

*Aquilegia-Long Spurred*



**BOLTONIA** (False Chamomile)

Large Pkt. Pkt.

- 481 **Latisquama**. A tall, late flowering plant with aster-like flowers of pinkish lavender; perennial; 6 feet; September.....\$0.30 \$0.10

**BROWALLIA**

Elegant free flowering plants; bloom finely in the winter if sown in August or September; 18 inches.

Large Pkt. Pkt.

- 500 **Elata Coerulea**. Sky-blue flowers.....\$0.20 \$0.05  
 502 **Speciosa Major**. A large flowering variety of brilliant ultramarine blue; desirable as a pot plant for winter and spring flowering..... .30 .10

**CALCEOLARIA**

An ornamental plant, and a universal favorite for decorating the greenhouse or conservatory; produces a mass of beautiful pocket-like flowers. Our strains of Calceolaria have a wide reputation as to large size, rich and varied colors of the flowers.

Large Pkt. Pkt.

- 515 **Hybrida Grandiflora, Tall Mixed**. Large flowering, rich, self-colored flowers saved from a choice collection; 18 inches.....\$0.75 \$0.25  
 516 **Hybrida Grandiflora, Pumila Compacta**. Of dwarf, compact robust growth, producing immense trusses of large and varied brilliant self-colored and spotted flowers; 1 foot..... .75 .25  
 517 **James' Superb Strain**. A robust grower, producing very large and beautiful flowers; 18 ins. 1.25 .50  
 519 **Sutton's Perfection**. Choicest mixed. Original packet ..... 1.00  
 518 **Rugosa Mixed (Shrubby)**. Small flowering varieties for bedding; of the finest colors; 1 foot ..... 1.25 .50

**CALLIOPSIS** (Coreopsis)

One of the finest hardy perennial plants.

- 540 **Lanceolata Grandiflora**. Single golden yellow flowers of graceful form; invaluable for cutting; flowers uninterruptedly the entire summer .....oz. 50c. .15 .10  
 541 **California Sunbeams**. Very large flowers beautifully formed; various shades of yellow and brown ..... .25 .10

**CANDYTUFT** (Iberis)

Very desirable for cutting, and of easy cultivation, flowering within six weeks after sowing; height, 1 foot.

Large Pkt. Pkt.

- 561 **MicHELL's Giant White**. The largest and finest white. From 10 to 12 immense spikes resembling Hyacinths appear on a single plant; fine for forcing.....oz. 60c \$0.20 \$0.10  
 562 **Empress**. Large sprays of white flowers with flattened heads; a popular florist kind; oz. 40c. .15 .10  
 566 **Pink** .....oz. 40c. .15 .05  
 560 **Crimson** .....oz. 30c. .15 .05  
 559 **Carmine**. Deep scarlet.....oz. 40c. .15 .05  
 568 **Purple**. Deep rich purple.....oz. 30c. .15 .05  
 574 **White Rocket**. Long spikes.....oz. 25c. .05  
 564 **Little Prince**. Very dwarf and compact with pure white flowers; excellent for edging.....oz. 50c. .15 .10  
 576 **Choice Mixed**. All colors.....oz. 20c. .05  
 578 **Imported Collection, 6 colors**..... .25  
 570 **Sempervirens**. Hardy perennial; dwarf spring flowering plants ideal for the bulb border, flowers of glistening white; May; 8 ins..... .30 .10

**CENTROSEMA** (Butterfly Pea)

- 660 **Grandiflora**. Hardy perennial vine, bearing inverted pea-shaped flowers, from rosy violet to purple, with a broad white marking through the centre ..... .25 .10

For our Special Collection of Hardy Perennial Flower Seeds, see page 52.



Canterbury Bell

**CAMPANULAS OR BLUE BELLS**

- 538 **Carpatica, Blue (Carpathian Hare Bell)**. Compact tufts not exceeding 8 inches; flowers clear blue, held erect; blooms in June and July.....\$0.15 \$0.05  
 539 **Carpatica, White**..... .15 .05  
 547 **Persicifolia Grandiflora, Blue (Peach Bells)**. Stately spikes, 4 feet tall, with immense blue bell-shaped flowers ..... .30 .15  
 548 **Persicifolia Grandiflora, White**..... .30 .15  
 549 **Pyramidalis (Chimney Bell Flower)**. Perfect pyramids 6 feet high crowded with large bell-shaped flowers, blue and white mixed..... .20 .05

**CAMPANULA MEDIA** (Canterbury Bell)

- 543 **Single Blue** .....\$0.15 \$0.05  
 544 " **Pink** ..... .15 .05  
 553 " **White** ..... .15 .05  
 550 " **Mixed** ..... .15 .05  
 551 **Double Mixed**..... .20 .05

**CAMPANULA CALYCANTHEMA** (Cup and Saucer)

- 545 **White** .....\$0.30 \$0.10  
 588 **Pink** ..... .30 .10  
 586 **Blue** ..... .30 .10  
 546 **Mixed** ..... .25 .10





Carnation—Marguerite

**CARNATION**

Large Pkt. Pkt.

- 600 **Early Vienna.** Early flowering; double; extra fine; all colors mixed; 1 foot.....\$0.30 \$0.10  
 602 **Finest German.** Double mixed; selected strain.. .65 .25  
 610 **Choice Mixed.** Double; all colors......50 .10

**MARGUERITE CARNATIONS**

If slightly protected the first winter, they will revive the following spring and bloom during that whole season. Large Pkt. Pkt.

- 604 **Excelsior.** Very large flowering; mixed.....\$0.40 \$0.15  
 605 **Pink** ..... .40 .10  
 607 **Scarlet** ..... .40 .10  
 606 **White.** Large, perfect flowers..... .40 .10  
 608 **Yellow.** Very fine......50 .10  
 609 **Choice Mixed.** .....oz. \$1.00 .25 .10

**CENTAUREA CYANUS**

(Bachelor's Button, Cornflower, Ragged Sailor or Blue Bottle)

Every one knows this popular old-fashioned flower, so that a description is superfluous. Oz. Pkt.

- 638 **Emperor William.** Deep blue.....\$0.25 \$0.05  
 644 **Double Blue.** Very large and double; quite new Large pkt., 20c. .... .10

**CENTAUREA IMPERIALIS (Giant Cornflower)**

Gigantic, beautiful, sweet-scented flowers are borne on long stems. They are well adapted for cutting and remain fresh long after being cut. Height of plant, 2 to 3 feet.

- |   | Oz.    | Large Pkt. | Pkt.   |
|---|--------|------------|--------|
| 645 <b>Deep Rose</b> .....  | \$0.75 | \$0.20     | \$0.10 |
| 646 <b>Lavender</b> .....   | .75    | .20        | .10    |
| 647 <b>Lilac</b> .....  | .75    | .20        | .10    |
| 648 <b>Brilliant Pink</b> .....                                   | .75    | .20        | .10    |
| 649 <b>Purple</b> .....   | .75    | .20        | .10    |
| 650 <b>White</b> .....  | .75    | .20        | .10    |
| 651 <b>Choice Mixed</b> .....                                     | .60    | .20        | .10    |
| 653 <b>Our Collection</b> (one packet each of above 6 varieties). |        |            | .50    |

**VARIOUS CENTAUREAS**

Large Pkt. Pkt.

- 654 **Margaritae** (Giant White Sweet Sultan). The snow-white blooms often measure 3 to 4 inches across and are very fragrant; 18 inches.....\$0.25 \$0.10  
 656 **Suaveolens.** Bright yellow, fragrant blossoms.. .15 .05

**CENTAUREA (Perennial Cornflower)**

Large feathery flowers; splendid for cutting; entire summer.

- |   | Large Pkt. | Pkt. |
|---|------------|------|
| 658 <b>Pulcherrimus</b> (New). Delicate pink; 2½ feet.. | \$0.25     |      |
| 655 <b>Montana.</b> Blue; 18 inches.....                | .30        | .10  |
| 657 " <b>Alba.</b> White .....                          | .30        | .10  |

**CERASTIUM (Snow in Summer)**

- 662 **Tomentosum.** Dwarf, white-leaved edging plant; flowers white; 4 inches......40 .15



Chrysanth. Pr. Henry (Giant Paris Daisy)

**CHRYSANthemum (Perennial)**

Large Pkt. Pkt.

- 666 **Comtesse de Chambord** (Golden Paris Daisy). Single, beautiful clear yellow flowers.....\$0.20 \$0.10  
 667 **Frutescens Grandiflorum** (Paris Daisy or Marguerite). Single flowers, white with yellow eye.. .20 .10  
 671 **Shasta Daisy, "Alaska."** The finest of all; single white flowers on long stems; 2 feet... .65 .20  
 673 **King Edward VII.** Flowers extra large, pure white and of perfect form..... .25 .10  
 675 **Princess Henry.** Immense white flowers, 4 inches across; 18 inches (see illustration).... .25 .10  
 685 **Japanese Hybrids.** Large flowers of the finest types; an extra choice mixture; 18 inches..... .65 .15

Media, Pa.

Dear Sirs:—Enclosed find order and remittance. My experience with your seeds is, that almost every seed germinates; I get the finest plants and blooms from your seeds of any I have ever tried.

Very truly yours,

F. C. S.



Centaurea Imperialis, New Giant Corn Flower



**CINERARIA**

One of the most ornamental and useful plants for conservatory or house decoration; seed may be sown from May to September for a succession. *Our Grandiflora Prize Strain* is the best procurable, producing immense trusses of the largest flowers, and has been awarded numerous first prizes.

	Large pkt.	Pkt.
691 <b>Grandiflora Prize Dwarf.</b> Mixed colors; plants of dwarf habit .....	\$0.75	\$0.35
693 <b>Grandiflora Prize Medium Tall.</b> Mixed colors; desirable as a decorative plant...	.75	.35
699 <b>James' Giant Strain.</b> A superb variety; mixed colors .....	1.25	.50
707 <b>Sutton's Superb.</b> Mixed colors. Original pkt. ....		.75
700 <b>Matador.</b> Large bright red flowers .....		.35
695 <b>Hybrida.</b> Choice mixed colors .....	.65	.25
702 <b>Radiata Hybrida.</b> New varieties of the Star Cineraria in a wide range of colors and shades .....	.75	.20
703 <b>Stellata (Sutton's).</b> Medium sized star-like flowers. Original pkt. ....		.75
705 <b>Stellata Hybrida.</b> Of graceful and vigorous habit, producing a profusion of elegant flowers .....	1.25	.50

**CLEMATIS**

	Large pkt.	Pkt.
710 <b>Flammula.</b> Feathery-white, fragrant flowers .....	\$0.15	\$0.05
712 <b>Jackman's Large Flowering.</b> Mixed; saved from the finest, large flowering sorts .....	.40	.15
714 <b>Paniculata (Japanese Virgin's Bower).</b> The beautiful autumn flowering variety so much admired for its fragrant, white star-shaped flowers .....	.20	.10

**CUPHEA (Cigar Plant)**

775 <b>Platycentra.</b> A valuable plant for greenhouse or conservatory, or for bedding; flowers scarlet with black and white lip .....	.30	.10
---	-----	-----

**CYPERUS (Umbrella Plant)**

810 <b>Alternifolius.</b> An elegant plant for growing in water or damp places .....	.50	.10
--	-----	-----

*English Daisy-Monstroza**Michell's Fancy Giant Cyclamen***CYCLAMEN**

Beautiful plants for the window or greenhouse, with mottled leaves and rich colored flowers. Both the strains offered below have gained a reputation for their large size, perfect form and brilliant colors.

**MICHELL'S "DISTINCTIVE" GIANT**

Grown for us in England by a Specialist who has received numerous First Prizes for the large size and beautiful coloring of the flowers.

	100 Seeds	Pkt.
790 <b>Duke of Connaught.</b> Crimson .....	\$1.50	\$0.50
792 <b>Excelsior.</b> White with red eye .....	1.50	.50
794 <b>Grandiflora Alba.</b> White .....	1.50	.50
796 <b>Princess of Wales.</b> Pink .....	1.50	.50
798 <b>Salmon Queen.</b> Salmon pink .....	1.50	.50
799 <b>Mixed.</b> All colors .....	1.25	.40
806 <b>Sutton's Giant.</b> Choicest mixed. Per Orig. pkt. ....		.75

**REGULAR GIGANTEUM STRAIN**

Grown for us by a Specialist in Germany.

780 <b>Giganteum Album.</b> White .....	1.25	.35
782 " <b>Roseum.</b> Pink .....	1.25	.35
784 " <b>Rubrum.</b> Red .....	1.25	.35
786 " <b>White</b> with carmine eye .....	1.25	.35
788 " <b>Mixed.</b> Choicest strain .....	1.00	.25

802 <b>Papilio (Butterfly).</b> The edges of the flowers are beautifully fringed, or waved; mixed colors...	1.50	.40
---	------	-----

804 <b>Persicum.</b> Choice mixed .....	Large pkt. \$0.40	Pkt. .10
---	-------------------	----------

**DAISY, ENGLISH DOUBLE (Bellis Perennis)**

These are strictly biennials and seed should be sown from June 1st till September, transplanted in the fall and they will flower the following spring. If sown in the spring they will flower in the autumn; 4 inches.

	Large pkt.	Pkt.
856 <b>Monstroza, Pink.</b> Extra large and double...	\$0.65	\$0.25
858 " <b>White</b> .....	.65	.25
857 " <b>Mixed</b> .....	.65	.25
855 <b>Giant Red.</b> Various shades of red .....	.40	.10
859 <b>Longfellow.</b> Delicate pink .....	.40	.10
860 <b>Snowball.</b> Purest white .....	.40	.10
861 <b>Double Mixed</b> .....	.40	.10



**DELPHINIUM** (Hardy Perennial Larkspur)

Highly prepossessing plants of stately appearance; of easiest culture, they are readily the most popular of all hardy plants. Their main season of bloom is in June, but if the flower-spike is cut back promptly it will branch and flower all through fall.

	Large Pkt.	Pkt.
872 <b>Burbank's Hybrids.</b> Splendid assortment of colors, with extra large flowers; 4 to 5 feet....	\$0.50	\$0.25
878 <b>Kelway's Giant.</b> A strain recognized the world over as a prize-winner; many shades of blue; 5 to 7 feet.....	.50	.15
871 <b>Belladonna.</b> Immense spikes of clear turquoise blue; 5 feet.....	.65	.25
884 <b>Amos Perry.</b> Semi-double; rich rosy mauve flushed with sky blue; dark eye.....	.50	.15
885 <b>Duke of Connaught.</b> Rich Oxford blue with a distinct white eye.....	.50	.15
877 <b>Formosum.</b> Deep blue; 5 feet.....oz. \$1.00	.20	.10
880 " <b>Coelestinum.</b> Sky blue.....	.30	.15
875 <b>Chinense Grandiflorum.</b> A dwarf strain with loose branches and sprays of bright blue flowers; 2 feet.....oz. 50c.	.15	.05
874 <b>Chinense Grandiflorum Album.</b> Pure white flowers.....oz. 50c.	.15	.05
873 <b>Cashmerianum.</b> Dark blue; 18 inches.....	.50	.10
876 <b>Elatum (Bee Larkspur).</b> Rich blue; 4 feet.....oz. \$1.00	.25	.10
886 <b>Mme. Violet Geslin.</b> Semi-double; clear blue, lavender centre, with white eye.....	.50	.15
879 <b>Nudicaule.</b> Bright scarlet; 18 inches.....	.50	.10
887 <b>Portia.</b> Lovely cornflower blue, with dark centre.....	.50	.15
888 <b>Queen Wilhelmina.</b> Large flowers of a soft lavender blue, flushed with rose, white eye.....	.50	.15
889 <b>Rembrandt.</b> Bright sky-blue, inner petals rosy lavender.....	.50	.15
881 <b>Zalil.</b> Sulphur yellow; 4 feet.....	.50	.10
883 <b>Hybridum Mixed.</b> Choicest; 4 feet....oz. 40c.	.15	.05

**DICTAMNUS** (Gas Plant)

925 <b>Fraxinella.</b> Showy bushy plants 2½ feet high; rosy pink flowers; perennial; June and July..	.15	.05
---	-----	-----

*Digitalis (Foxglove) Gloxiniaeflora**Delphinium, Kelway's Giants***DIANTHUS** (Hardy Garden Pinks)

	Large Pkt.	Pkt.
917 <b>Erfurt.</b> Of dwarf, compact growth; blooms early; very fragrant; mixed colors.....	\$0.65	\$0.15
919 <b>Clove Scented.</b> Double and semi-double varieties, in beautiful colors; fragrant.....	.40	.10
920 <b>Latifolius Atrococcineus (Everblooming Hybrid Sweet William).</b> Double, brilliant red.....	.25	.10
921 <b>Pheasant's Eye.</b> Single white, fringed flowers with dark centre.....oz. 60c.	.15	.05
923 <b>Double Scotch.</b> Choice mixed colors.....	.40	.15

**DIGITALIS** (Foxglove)

Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produce long spikes of beautiful tubular-shaped flowers; blooms during June and July; 4 to 5 feet.

	Oz.	Large Pkt.	Pkt.
924 <b>Gloxiniaeflora, Lilac</b> .....	\$1.00	\$0.15	\$0.10
927 " <b>Pink</b> .....	1.00	.15	.10
928 " <b>Purple</b> .....	1.00	.15	.10
929 " <b>White</b> .....	1.00	.15	.10
930 " <b>Mixed</b> .....	.75	.15	.05
932 <b>Monstrosa (Mammoth Foxglove).</b> The tall spikes are surmounted by one monstrous flower; all colors mixed.....	1.50	.30	.10



**DRACENA**

Ornamental plants for vases or conservatory decoration.

	Large Pkt.	Pkt.
940 <i>Australis</i> . Green and red colored leaves.....	\$0.25	\$0.10
942 <i>Indivisa</i> . Narrow green leaves.....	.15	.10

**EDELWEISS** (*Gnaphalium*)

950 <i>Leontopodium</i> . A famous Alpine flower; suitable for rock-work, etc.; hardy perennial; 6 ins.	.40	.15
---	-----	-----

**EULALIA** (*Ornamental Grass*)

970 <i>Japonica</i> . A hardy perennial variety, with long, graceful leaves, green and white striped; 4 to 5 feet .....	.15	.05
---	-----	-----

**EUPATORIUM**

975 <i>Fraseri</i> . A fine hardy perennial; clusters of white flowers; excellent for cutting; 2 feet....	.20	.10
---	-----	-----

**FERNS**

Very desirable plants for ferneries or for rock-work, or borders in shady positions during the summer.

	Large Pkt.	Pkt.
985 <i>Adiantum</i> ( <i>Maiden Hair</i> ). Mixed.....	\$0.40	\$0.15
989 <i>Pteris</i> Varieties. Mixed.....	.40	.15
991 <i>Choice Mixed</i> . Choice collection.....	.40	.15

*Gaillardia Grandiflora***GAILLARDIA** (*Blanket Flower*)

Compact tufts of silvery gray foliage with slender 2-foot spikes of gorgeously colored daisy-like flowers of immense size; flowers all summer; hardy perennial.

	Large Pkt.	Pkt.
1020 <i>Grandiflora Compacta</i> . A compact variety; choice mixed colors; 12 to 15 inches.....	\$0.20	\$0.10
1022 <i>Grandiflora Superba</i> . Splendid mixed, 2 feet. oz. 50c.	.15	.10
1021 <i>Grandiflora Sanguinea</i> . Blood red flowers....	.25	.15
1030 <i>Sulphurea Oculata</i> . Sulphur yellow, maroon eye	.30	.10
1029 <i>Semi-Double</i> . Golden yellow tinged maroon..	.30	.15

**GENTIANA** (*Blue Gentian*)

1035 <i>Acaulis</i> . Dwarf hardy perennial; deep blue flowers; suited to moist, shady situations.....	.20	.10
--	-----	-----

**GEUM**

1051 <i>Atrosanguineum</i> Fl. Pl. A beautiful hardy perennial, bearing large, showy flowers all through the summer; fine for bouquets; double, dark crimson flowers; 1½ feet.....	.25	.10
--	-----	-----

*Gerbera-Jamesoni Hybrida***GERBERA** (*Transvaal Daisy*)

Splendid greenhouse perennials with large fine-leaved, daisy-like flowers; splendid for pot plants or cutting.

	100 Seeds	Pkt.
1049 <i>Jamesoni Gigantea</i> . Extra large flowers of brightest scarlet .....	\$1.25	\$0.25
1047 <i>Jamesoni Hybrida</i> . All colors in great variation .....	1.50	.40

*Gypsophila Paniculata***GYPSOPHILA** (*Baby's Breath*)

	Large Pkt.	Pkt.
1105 <i>Paniculata</i> . Dainty little miniature flowers of pure white, borne on bushy, branching plants; excellent for cutting; perennial; 2 feet; oz. 40c.	.15	.05
1106 <i>Paniculata</i> , fl. pl. A very pretty double flowering Baby's Breath, with pure white flowers...		.25



**GLOXINIA**

Showy, free-flowering plants for pot culture; producing magnificent flowers of the richest colors; 1 foot. Large Pkt. Pkt.

- 1055 **Hybrida Grandiflora**. The best strain in existence, embracing all the choicest self-colored, and tigered and spotted flowers.....\$0.75 \$0.25

**GOLDEN ROD** (*Solidago Canadensis*)

- 1065 **A** well-known hardy perennial; deep golden yellow flowers; 2 feet..... .15 .05

*Helonium***HELENIUM** (*Sneeze-Wort*)

- 1108 **Autumnale Superbum**. Perennial; succeeding in almost any kind of soil; large heads of golden yellow flowers; 5 to 6 feet; fall.....\$0.30 \$0.10

**HELIOPSIS** (*Orange Sunflower*)

- 1112 **Pitcheriana**. Hardy perennial, producing an abundance of deep orange yellow flowers the entire summer; excellent for cutting; 3 to 4 feet .....oz. 50c. .15 .10

**HELIOTROPE**

A highly prized plant on account of the delightful fragrance of the flowers; excellent for pots, or for bedding; 18 inches.

- 1115 **Lemoine's Giant**. Produces a profusion of flowers nearly double the size of the old sort; mixed colors.....\$0.50 \$0.15
- 1117 **Regal**. Of dwarf compact growth; immense flowers; all shades..... .50 .15
- 1119 **Choice Mixed**. Of many varieties..... .25 .10
- 1121 **Imported Collection**. 6 sorts..... .40

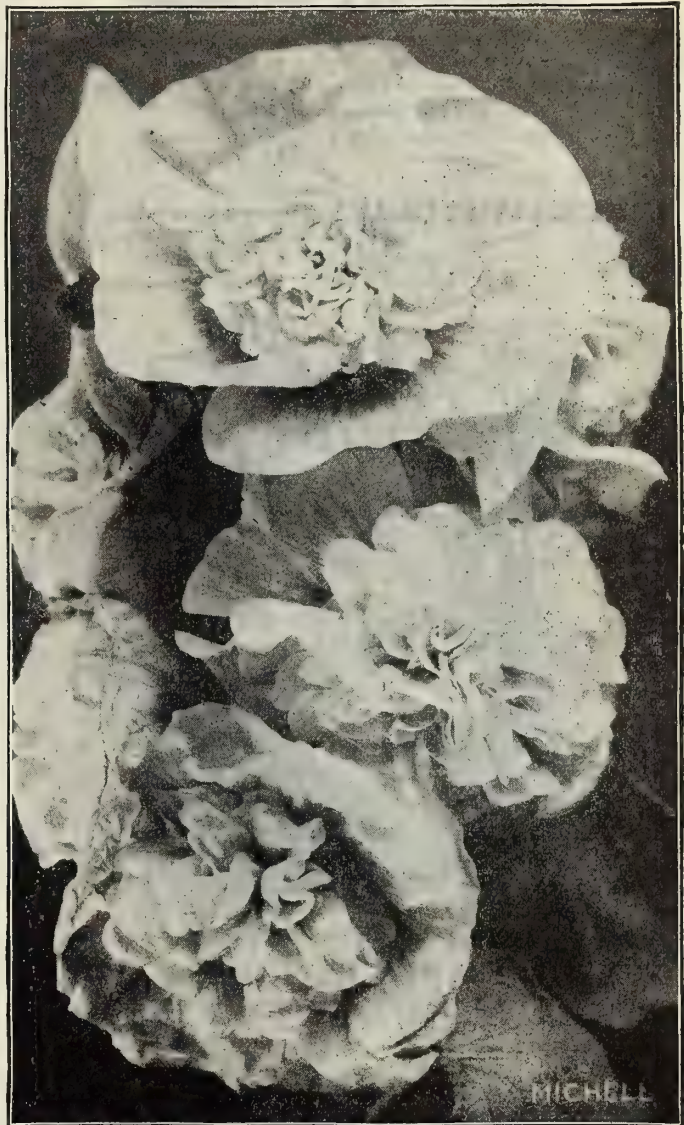
**HEUCHERA** (*Alum Root*)

- 1125 **Sanguinea**. Splendid plant; spikes of vivid crimson flowers; excellent for cutting; 1 foot .40 .10

**HIBISCUS** (*Marshmallow*)

Showy, ornamental plants, having large sized, beautiful bell-shaped flowers; perennial. Large Pkt. Pkt.

- 1133 **New Giant** (*Mallow Marvel*). Immense flowers in shades of red, pink, purple and white, mixed .....\$0.40 \$0.15
- 1130 **Crimson Eye**. Large white flowers with crimson centre; 4 feet.....oz. 60c. .15 .10
- 1132 **Golden Bowl**. Giant yellow, maroon centre.... .20 .10
- 1134 **Palustris**. Large pink flowers; 3 feet..... .20 .05

*Chater's Double Hollyhock***HOLLYHOCK**

One of the most popular and desirable of hardy perennial plants; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 feet.

**CHATER'S IMPROVED DOUBLE HOLLYHOCK**

- |  | Oz.    | Large pkt. | Pkt.   |
|--|--------|------------|--------|
| 1149 <b>Pink</b> .....   | \$1.25 | \$0.30     | \$0.10 |
| 1150 <b>Maroon</b> .....   | 1.25   | .30        | .10    |
| 1151 <b>Red</b> .....  | 1.25   | .30        | .10    |
| 1153 <b>Salmon</b> .....   | 1.25   | .30        | .10    |
| 1155 <b>White</b> .....  | 1.25   | .30        | .10    |
| 1157 <b>Yellow</b> .....   | 1.25   | .30        | .10    |
| 1159 <b>Choice Mixed</b> .....   | 1.00   | .25        | .10    |
| 1160 <b>Single Mixed</b> .....   | 1.00   | .20        | .10    |
| 1161 <b>Imported Collection</b> . 6 colors.....  |        |            | .40    |
| 1163 <b>Imported Collection</b> . 12 colors.....   |        |            | .75    |
| 1146 <b>Allegheny</b> . Semi-double; mammoth flowers, edges fringed and lacinated; mixed; oz. \$1.00 | .30    |            | .10    |

**ANNUAL EVERBLOOMING HOLLYHOCK**

While these are also hardy perennial varieties, if seed is sown in the house in March or April they will bloom the first season.

- 1147 **Double Ever-blooming**. Immensely tall plants with big leaves; colors range from white to deep black, yellow, pink, red, purple; oz. \$1.25 .50 .15
- 1148 **Single Ever-blooming**. Differ from above only in the flowers being single.....oz. \$1.00 .30 .10



**INCARVILLEA** (Hardy Gloxinia)

- 1184 **Delavayi**. Deeply cut hairy foliage with stout stalks terminated with 3 to 5 most beautiful pink, gloxinia-like flowers; May; 15 inches... \$0.50 \$0.25

**IRIS** (Flowering Flag)

- 1194 **Kaempferi** (*Japanese Iris*). Hardy perennial; very showy; blooms the second year from seed; mixed colors ..... .20 .10

**KENILWORTH IVY** (*Linaria Cymbalaria*)

- 1195 A charming, neat trailing plant, for baskets, vases, pots, etc.; flowers violet ..... \$0.30 \$0.05

*Lathyrus* (Everlasting Pea)**LATHYRUS LATIFOLIUS**

(Everlasting or Perennial Pea)

Free flowering, resembling Sweet Peas in growth, foliage and flowers; excellent for cutting.

- |  | Oz.    | Pkt.   |
|--|--------|--------|
| 1210 <b>Crimson</b> . Brilliant .....            | \$0.40 | \$0.10 |
| 1212 <b>Pink Beauty</b> . Bright rosy-pink ..... | .40    | .10    |
| 1214 <b>White</b> .....                          | .40    | .10    |
| 1216 <b>Choice Mixed</b> . All colors .....      | .40    | .05    |

**LAVENDER** (*Lavandula Vera*) Large Pkt. Pkt.

- 1220 Well-known perennial plant bearing long spikes of fragrant blue flowers; 18 inches .. oz. 60c. \$0.15 \$0.05

**LILY OF THE VALLEY** (*Convallaria Majalis*)

- 1225 Lovely plants, bearing pure white, fragrant, bell-shaped flowers early in spring ..... \$0.25 \$0.10

**LIATRIS** (Blazing Star or Gay Feather)

- 1227 **Pycnostachia**. Showy and attractive plants, with long spikes of rosy purple flowers; perennial; July to September; 3 to 4 feet..... .50 .10

**LOBELIA** (Cardinal Flower)

- 1237 **Cardinalis**. Hardy perennial; tall spikes of bright scarlet flowers, very showy; thrives in moist situations ..... .50 .10
- 1252 **Illumination** (*New*). Brilliant scarlet ..... .25

**LYCHNIS**

Perennials of easy culture; most effective in beds or borders.

- |   | Large pkt. | Pkt. |
|---|------------|------|
| 1285 <b>Chalcedonica</b> ( <i>Rose Campion</i> ). Fine scarlet cross-like flowers; 2 feet; July..... oz. 40c. \$0.15 \$0.05 |            |      |
| 1287 <b>Haageana</b> . Brilliant, large orange, scarlet, pink, or crimson flowers in mixture; 1 foot; July..... .20 .10     |            |      |

**LYTHRUM** (*Rose Loose-Strife*)

- 1288 **Roseum Superbum**. Plants grow 3 feet high and produce spikes of rosy flowers from July to September; perennial ..... .15 .10

*Lupinus, Polyphyllus Roseus***LUPINUS** (Lupin)

A valuable and showy flower, blooming in six to eight weeks after sowing; valuable for cutting; seeds sown in greenhouse during the late summer and fall months will produce an abundance of bloom for winter.

- |  | Oz.    | Pkt.   |
|--|--------|--------|
| 1268 <b>Pink Beauty</b> . Tall spikes of an exquisite shell-pink color ..... | \$0.50 | \$0.10 |
| 1265 <b>Blue</b> .....   | .30    | .05    |
| 1267 <b>Pink</b> .....   | .30    | .05    |
| 1269 <b>Red</b> .....  | .30    | .05    |
| 1271 <b>Scarlet, White Tipped</b> .....                                      | .30    | .05    |
| 1273 <b>White</b> .....  | .30    | .05    |
| 1275 <b>Yellow</b> .....   | .40    | .10    |
| 1277 <b>Mixed</b> . Annual varieties .....                                   | .20    | .05    |

**LUPINUS—Perennial Varieties**

- |  | Large Pkt.   | Pkt.   |
|--|--------------|--------|
| 1278 <b>Polyphyllus Roseus</b> . Pink..... | \$0.40       | \$0.15 |
| 1280 " <b>Blue</b> .....                   | .15          | .05    |
| 1281 " <b>White</b> .....                  | .15          | .05    |
| 1279 " <b>Mixed</b> .....                  | oz. 30c. .15 | .05    |

**MIGNONETTE**

Valuable for cutting on account of its fragrance; sow in succession during the whole summer; also valuable for growing in pots for winter and spring flowering.

- |   | Large pkt.   | Pkt.   |
|---|--------------|--------|
| 1356 <b>Michell's Colossal</b> . Foliage, stalks and flowers are very robust. The flower-spikes often averaging 18 inches; extremely fragrant ..... | \$0.50       | \$0.15 |
| 1354 <b>Hoehl's Giant Flowering</b> . Seed saved from the finest specimens grown under glass; very large and especially suitable for forcing .....  | .65          | .15    |
| 1340 <b>Allen's Defiance</b> . Spikes attain a height of 12 to 15 inches; very fragrant; oz. 60c. ....  | .20          | .10    |
| 1349 <b>Golden Machet</b> . Golden yellow..... oz. 50c. ....  | .15          | .10    |
| 1357 <b>Miles' Spiral</b> . Flowers whitish..... oz. 25c. ....  | .15          | .05    |
| 1345 <b>Bismarck</b> . Compact plant of strong growth; stout spikes of large flowers .....  | .30          | .10    |
| 1355 <b>Machet</b> . Large reddish tinted, sweet scented flowers .....  | oz. 50c. .15 | .10    |
| 1352 <b>Goliath</b> . Giant spikes of brilliant red flowers.....  | .20          | .10    |
| 1363 <b>Sutton's Giant</b> . Reddish buff, original pkts.....   | .30          |        |
| 1365 <b>Sweet Scented</b> . The old variety..... oz. 15c. ....  | .05          |        |

**MONARDA** (*Bee Balm* or *Bergamot*)

- 1382 **Didyma**. Tall plants crowned with whorls of salvia-like, deep scarlet flowers; very showy and attractive; perennial; 4 feet; July-August .65 .15



*Myosotis (Forget-Me-Not)***MYOSOTIS**

Neat and beautiful little plants with star-shaped flowers, succeeding best in a moist semi-shaded situation. Large Pkt. Pkt.

- 1391 **Alpestris Victoria.** Of bushy habit; bearing large bright blue flowers; very fine; 6 inches. \$0.30 \$0.10
- 1395 **Eliza Fanrobert.** Large flowering, bright blue .20 .10
- 1399 **Grandiflora Alba.** Large white flowers; 6 in. .25 .10
- 1400 **Grandiflora Rosea.** Large pink flowers; 6 in. .25 .10
- 1401 **Palustris.** The true Forget-Me-Not; bright blue flowers; 6 in. .40 .10
- 1405 **Royal Blue.** Upright grower; blue; 1 foot. .40 .10
- 1406 **Ruth Fischer.** A compact plant with light blue flowers; splendid for pots .65 .25
- 1407 **Choice Mixed.** Various shades. .oz. 75c. .20 .05

**MYOSOTIS (Perennial Forget-Me-Not)**

These differ from the biennial by reappearing each year in heavier plants and more numerous flowers; 8 inches; all summer. Large Pkt. Pkt.

- 1393 **Dissitiflora.** Deep green foliage and attractive deep blue flowers .oz. \$0.40 \$0.10
- 1403 **Palustris Semperflorens.** Dwarf; blooms the entire season; deep blue .30 .10

**MICHELL'S GIANT PANSIES**

For early spring blooming, seed may be sown from July to September in frames, protecting same during the winter. Pansies thrive best in moist, semi-shady situations.

**PANSIES IN MIXTURES** Large pkt. Pkt.

- 1595 **Michell's Giant Exhibition.** A blending of our own containing only the very choicest the specialists in Europe have to offer; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. Per oz. \$6.00, \$1.00 per 1/8 oz. \$0.65 \$0.25
- 1608 **Triumph of the Giant.** Immense flowers of great brilliancy and richness of coloring, including many new and rare shades. Per oz. \$8.00, \$2.25 per 1/4 oz. .75 .50
- 1597 **Bugnot, Odier and Cassier.** A superb mixture of giant blotched varieties. 1/8 oz. \$1.00 .65 .25
- 1599 **Giant Trimardeau.** Very large flowering; all colors mixed .1/4 oz. \$0.50 .40 .10
- 1600 **Mad. Perret.** Early flowering, fragrant, especially rich in red shades. 1/4 oz. \$1.25 .65 .25
- 1601 **Masterpiece (Fringed Pansy).** Flowers beautifully curled or waved. 1/4 oz. \$1.50 .65 .25
- 1605 **Odier or Blotched.** A beautiful strain. 1/4 oz. \$1.25 .65 .15
- 1607 **Parisian Large Stained.** Choicest colors. 1/4 oz. \$1.25 .50 .15
- 1609 **Finest English Mixed** .oz. \$1.50 .30 .10
- 1611 **Very Fine Mixed** .oz. .75 .20 .05
- 1613 **Imported Collection.** 6 colors .40
- 1614 **Imported Collection.** 12 colors .75

**MICHELL'S GIANT PANSIES  
SEPARATE COLORS**

A strain secured from the leading Pansy specialists, and not to be compared with the ordinary Giant Trimardeau, as the flowers are of much heavier texture. 1/4 Oz. Large pkt. Pkt.

- 1535 **Giant Prize Azure Blue.** Violet blue. \$1.00 \$0.50 \$0.15
- 1537 " **Black Blue.** Dark velvety. 1.00 .50 .15
- 1539 " **Emperor William.** Ultramarine blue . . . . . 1.00 .50 .15
- 1541 " **Hortensia Red.** Scarlet. 1.25 .50 .15
- 1543 " **King of the Blacks.** Black 1.00 .50 .15
- 1545 " **Lord Beaconsfield.** Violet. 1.00 .50 .15
- 1549 " **Peacock.** Upper petals blue, lower petals deep claret with white margin . . . . . 2.00 .50 .15
- 1551 " **Snow Queen.** Pure white. 1.00 .50 .15
- 1553 " **Striped and Mottled** . . . . . 1.00 .50 .15
- 1557 " **White with dark eye** . . . . . 1.00 .50 .15
- 1559 " **Pure Yellow** . . . . . 1.00 .50 .15
- 1561 " **Yellow with dark eye** . . . . . 1.00 .50 .15

**SPECIAL OFFER.** We will send 6 packets of any of the above varieties of Giant Pansies for 75c.; or the entire 12 pkts. for \$1.40.

**PANSIES—Regular Sorts in Separate Colors**

- 1565 **Belgian Striped.** Showy . . . . . \$1.50 \$0.30 \$0.10
- 1567 **Emperor William.** Ultramarine blue. 1.50 .30 .10
- 1569 **Faust (King of the Blacks).** Almost black . . . . . 1.50 .30 .10
- 1571 **Gold Margined.** Purple, golden edge. 1.50 .30 .10
- 1573 **Havana Brown** . . . . . 1.50 .30 .10
- 1575 **Lord Beaconsfield.** Violet . . . . . 1.50 .30 .10
- 1577 **Mahogany Colored** . . . . . 1.50 .30 .10
- 1579 **Silver Edged.** Purple, silver edge . . . . . 1.50 .30 .10
- 1581 **Snow Queen.** Pure white . . . . . 1.50 .30 .10
- 1583 **White with dark eye** . . . . . 1.50 .30 .10
- 1585 **Yellow Gem.** Pure yellow . . . . . 1.50 .30 .10
- 1587 **Yellow with dark eye** . . . . . 1.50 .30 .10

**SPECIAL OFFER.** We will send 6 packets of any of the above varieties of regular sorts of Pansies for 50c.; or the entire 12 packets for 90c.

**PAEONY**

Large Pkt. Pkt.

- 1534 **Mixed.** Of various colors; will bloom the third year from seed; double and semi-double. . . . \$0.30 \$0.10

*Pansy—Michell's Giant Exhibition*



**PASSIFLORA** (Passion Flower)

	Large Pkt.	Pkt.
1630 Ornamental climbing plants for the greenhouse or the garden, producing showy flowers in profusion; mixed colors.....	\$0.25	\$0.10

**PENTSTEMON** (Beard Tongue)

A beautiful perennial plant producing large spikes of handsome flowers.		
	Large Pkt.	Pkt.
1643 <b>Barbatus Torreyi</b> . Spikes of brilliant coral red, very effective; June to August; 3 to 4 feet..	\$0.15	\$0.10
1646 <b>Digitalis</b> . Spikes of white flowers, with purple throat; July and August.....	.15	.10
1644 <b>Sensation</b> . Plants producing large spikes of Gloxinia-like flowers of the most brilliant and varied colors; 2 feet; requires protection....	.40	.15
1647 <b>Hartwegi Albus</b> (New). Extra large, open throated, gloxinia-like blooms; color, clear white; 2½ feet.....		.25
1645 <b>Mixed</b> . Produces large spikes of handsome flowers; 3 feet.....	.15	.05

**HARDY PHLOX**

1725 <b>Decussata</b> . For a gorgeous show these are the most satisfactory of all perennials; plants 2 feet high, in all bright colors; sow seeds late in fall and they will germinate in the spring; mixed colors.....	¼ oz. 60c.	.30	.10
--	------------	-----	-----

We can also supply Hardy Phlox seed in White, Pink and Red, separate, at 25c. per pkt.; 3 pkts, 65c.

**PHYSOSTEGIA** (False Dragon Head)

A pretty hardy perennial, bearing freely, delicate tubular flowers; 3 to 4 feet; July-August.		
	Large Pkt.	Pkt.
1732 <b>Virginica</b> . Pink .....	\$0.20	\$0.10
1733 " <b>Alba</b> . White.....	.30	.10



Poppy—Oriental Hybrids

**POPPY** (Perennial)

	Large Pkt.	Pkt.
1782 <b>Giant Scarlet</b> ( <i>Bracteatum</i> ). Extra large flowers; 3 feet.....	\$0.15	\$0.10
1784 <b>Iceland, Single Mixed</b> . Colors range from white and yellow to deep orange scarlet; useful for cutting; 12 ins.....	.20	.10
1783 <b>Iceland, White</b> .....	.20	.10
1785 " <b>Yellow</b> .....	.20	.10
1786 " <b>Double Mixed</b> . 1 foot.....	.30	.10
1787 <b>Oriental</b> . Extra large flowers; deep scarlet..	.25	.10
1791 " <b>Mrs. Perry</b> . Rich salmon pink....	.40	.10
1789 " <b>Parkmanni</b> . Deep crimson.....	.40	.10
1792 " <b>Psyche</b> . Delicate rosy blush.....	.40	.10
1793 " <b>Trilby</b> . Brilliant red.....	.40	.10
1788 " <b>Hybrids</b> . Beautiful flowers, often measuring 6 inches across, of many colors..	.30	.10
1790 <b>Imported Collection</b> . Perennial poppies, 8 varieties..	.40	

**PLATYCODON** (Chinese Bell Flower)

	Large Pkt.	Pkt.
1735 <b>Grandiflorum, Blue</b> . Hardy perennial; large bell-shaped flowers; 2 to 3 feet.....	\$0.15	\$0.05
1736 <b>Grandiflorum, White</b> .....	.15	.05
1737 <b>Japonicus, fl. pl.</b> ( <i>Double Japanese Bell Flower</i> ). Large, glossy, deep blue flowers...	.40	.15

**POLYANTHUS** (*Primula Elatior*)

Beautiful spring flowering hardy perennials, either for pot culture or for the garden; succeeds best in partial shade; 9 inches.

	Large Pkt.	Pkt.
1738 <b>Gold Laced</b> . Flowers of brilliant colors, with distinct yellow edge.....	\$0.50	\$0.15
1740 <b>Double Mixed</b> . Beautiful colors.....	.65	.15
1741 <b>English Mixed</b> . The best single.....	.30	.10



Michell's Prize Chinese Primula

**PRIMULA****FRINGED CHINESE PRIMROSE**

Our strains are unsurpassed and have won many first prizes.

	Large Pkt.	Pkt.
1819 <b>Michell's Prize Mixture</b> . This mixture contains only the very finest sorts selected from the best strains.....	\$0.75	\$0.25
1805 <b>Alba Magnifica</b> . White flowers with yellow eye .....	.75	.40
1806 <b>Chiswick Red</b> . Brilliant red.....	.75	.40
1807 <b>Holborn Blue</b> . A beautiful shade.....	.75	.40
1809 <b>Kermesina Splendens</b> . Crimson.....	.75	.40
1811 <b>Rosy Morn</b> . Delicate pink.....	.75	.40
1813 <b>Stellata</b> ( <i>Sutton's</i> ). Excellent pot plant; mixed .....	.75	.25
1815 <b>Fern Leaved</b> . Choicest mixed colors.....	.75	.25
1825 <b>Imported Collection</b> . 8 varieties.....		.75

**PRIMULA OBCONICA GIGANTEA**

A great improvement over the old type; flowers much larger.

	Large Pkt.	Pkt.
1831 <b>Lilacina</b> . Pale lilac.....	\$0.65	\$0.20
1826 <b>Rosea</b> . Pink.....	.65	.20
1827 <b>Kermesina</b> . Crimson.....	.65	.20
1835 <b>Alba</b> . White.....	.65	.20
1829 <b>Hybrida Mixed</b> .....	.65	.20

**PRIMULA OBCONICA GRANDIFLORA**

	Large Pkt.	Pkt.
1828 <b>Compacta</b> . Dwarf; flowers rosy lilac.....	.65	.25
1830 <b>Fimbriata</b> . Flowers fringed; mixed colors...	.65	.15
1837 <b>Vesuvius</b> . Deep crimson.....	.65	.25
1833 <b>Crispa</b> . Flowers large, curled; color, from apple blossom pink to rose.....		.25

**VARIOUS SORTS**

	Large Pkt.	Pkt.
1845 <b>Primula Kewensis</b> ( <i>Verbena Scented Yellow Primrose</i> ). Long spikes; color, soft yellow..	.65	.40
1839 <b>Buttercup</b> . Yellow flowers; fine for pots....	.65	.25
1844 <b>Forbesi</b> ( <i>Baby Primrose</i> ). Small flowers; fine for pots; color, rosy lilac.....	.65	.25
1842 <b>Malacoides</b> . Resembles <i>Primula Forbesi</i> ; flowers larger; color, light lilac.....		.25
1843 <b>Malacoides Alba</b> . Flowers pure white.....		.25
1840 <b>Cortusoides Sieboldii</b> . Hardy perennial variety; also fine for pots; mixed colors.....	.65	.15
1846 <b>Veris</b> ( <i>English Cowslip</i> ). Hardy perennial; fragrant; mixed .....	.20	.10
1848 <b>Vulgaris</b> ( <i>English Primrose</i> ). The common hardy English variety; canary yellow.....	.40	.10

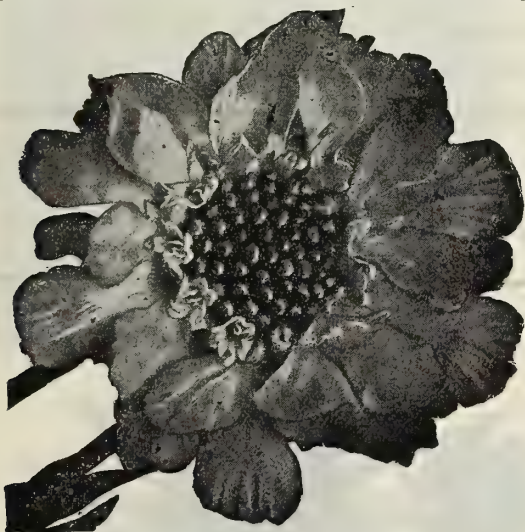


**PUERARIA (Kudzu Vine)**

- 1855 **Thunbergiana**. One of the fastest growing hardy climbing plants; grows 8 to 10 feet the first year from seed; after the first year it will grow 30 to 50 feet in a season; rosy purple pea-shaped blossoms.....
- |  |            |        |
|--|------------|--------|
|  | Large Pkt. | Pkt.   |
|  | \$0.25     | \$0.10 |

**PYRETHRUM (Perennial)**

- Fine for borders; very desirable for cutting.
- 1862 **Roseum**. Flowers bright rose color; July; 2 feet .25 .10
- 1866 **Uliginosum**. Large, single white flowers; September; 6 feet..... .30 .10
- 1868 **Hybridum Single Mixed**. Large flowers ranging in color from light pink to deep red, with bright yellow centres; July; 2 feet..... .20 .10
- 1869 **Hybridum Double Mixed**..... .65 .25

*Scabiosa Caucasic***SCABIOSA**

Handsome perennial border plants flowering the entire season.

- |  |            |        |
|--|------------|--------|
|  | Large Pkt. | Pkt.   |
| 1950 <b>Caucasica</b> . Soft blue.....       | \$0.40     | \$0.10 |
| 1948 <b>Caucasica Alba</b> . Pure white..... | .50        | .10    |
| 1965 <b>Japonica</b> . Lavender.....         | .50        | .15    |

*Stokesia, Cyanea***RUDBECKIA (Coneflower)**

- |  |            |        |
|--|------------|--------|
|  | Large Pkt. | Pkt.   |
| 1902 <b>Newmani</b> . Large yellow flowers with black centre; perennial; 2 feet; all summer.....                                     | \$0.40     | \$0.10 |
| 1904 <b>Purpurea</b> ( <i>Giant Purple Cone Flower</i> ). Hardy perennial; reddish purple flowers, with dark brown disc; 3 feet..... | .20        | .10    |

**SAINTPAULIA (African Violet)**

- 1910 **Ionantha**. Beautiful greenhouse plants, bearing a profusion of flowers resembling the violet both in color and shape..... .25

**SALVIA**

- 1927 **Azurea Grandiflora**. Hardy perennial, producing during August and September spikes of pretty sky-blue flowers; 2 feet..... .30 .10

*Schizanthus—Wisetonensis***SCHIZANTHUS (Butterfly Flower)**

One of our finest hardy annuals, bearing a profusion of pretty butterfly-like flowers of various colors, closely resembling some species of Orchids; also desirable for winter blooming in pots.

- 1968 **Grahami Niveus**. A new variety with finely cut foliage, with a profusion of snowy white flowers; 2 feet.....
- |  |            |        |
|--|------------|--------|
|  | Large Pkt. | Pkt.   |
|  | \$0.50     | \$0.15 |
- 1970 **Hybridus Grandiflorus**. Free flowering plants covered with flowers of many shades, of orchid-like appearance; 12 inches..... .40 .15
- 1971 **Wisetonensis**. A showy variety, largely used as a pot plant for the house or conservatory; bears a profusion of flowers ranging from white with yellow centre to pink with brown centre..... .65 .20
- 1972 **Mixed**. Various colors..... .15 .05

**SHAMROCK**

- 1978 **True Irish**. Small leaved..... .30 .10

**SMILAX**

- 1985 A desirable greenhouse climber of great value for floral decorations; seed should be soaked 24 hours in warm water before sowing; 10 feet.....
- |  |     |        |     |     |
|--|-----|--------|-----|-----|
|  | oz. | \$0.50 | .15 | .10 |
|--|-----|--------|-----|-----|

**STATICE (Everlasting Flower)**

- 1993 **Latifolia**. Hardy perennial variety, with large, deep blue flowers; 2 feet..... .25 .10

**STOKESIA (Cornflower or Stokes' Aster)**

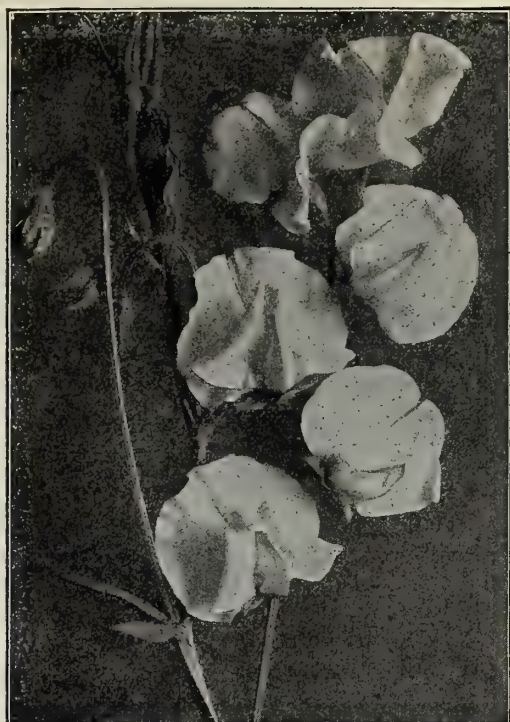
Dwarf tufts with stout flower stalks, 15 inches high, with large Aster-like flowers; perennial; July to October.

- |                                      |            |        |
|--------------------------------------|------------|--------|
|                                      | Large Pkt. | Pkt.   |
| 2055 <b>Cyanea</b> . Light blue..... | \$0.25     | \$0.10 |
| 2057 " <b>Alba</b> . Pure white..... | .30        | .10    |









Winter Flowering Sweet Peas

## SWEET PEAS

### Michell's Christmas or Winter Flowering

#### ESPECIALLY ADAPTED FOR FORCING

This seed has been grown from originator's stock, and can be depended upon for excellent results.

2245	Michell's Snowdrift.	Pure white; black seeded; extra early, 10 days earlier than Christmas White; large flowers on long stems	Pkt.	Oz.	¼ lb.
			\$0.10	\$0.40	\$1.25
2114	Blanche Ferry (Extra Early)		.05	.15	.35
2125	Christmas Captain.	Blue and purple	.10	.25	.75
2126	" Meteor.	Scarlet	.10	.25	.75
2127	" Pink.	Pink and white	.10	.25	.75
2129	" White.		.10	.25	.75
2146	Earliest of All.	Pink and white	.05	.15	.35
2174	Le Marquis.	Large dark blue	.10	.25	.75
2202	Mont Blanc.	Early; pure white	.05	.15	.35
2203	Mrs. Alex. Wallace.	Lavender	.10	.25	.75
2206	Mrs. Chas. H. Totty.	Lavender	.10	.25	.75
2207	Mrs. Edie Wilde.	Carmine red	.10	.25	.75
2209	Mrs. F. J. Delansky.	Daybreak pink	.10	.25	.75
2210	Mrs. Geo. Lewis.	Pure white	.10	.25	.75
2213	Mrs. William Sim.	Salmon pink	.10	.25	.75
2211	Mrs. W. W. Smalley.	Satin pink	.10	.25	.75
2257	Watchung.	Pure white	.10	.25	.75
2264	Mixed.	Winter flowering	.10	.25	.75

### Zvolanek's Christmas or Winter Flowering

			Pkt.	Oz.	¼ lb.
2127A	Christmas Pink.	Pink and white	\$0.15	\$0.35	\$1.00
2129A	" White		.15	.35	1.00
2126A	" Meteor.	Scarlet	.15	.35	1.00
2174A	Le Marquis.	Large dark blue	.15	.35	1.00
2203A	Mrs. Alex. Wallace.	Lavender	.15	.35	1.00
2206A	Mrs. Chas. H. Totty.	Lavender	.15	.35	1.00
2209A	Mrs. F. J. Delansky.	Daybreak pink	.15	.35	1.00
2210A	Mrs. Geo. Lewis.	Pure white	.15	.35	1.00
2213A	Mrs. William Sim.	Salmon pink	.15	.35	1.00
2211A	Mrs. W. W. Smalley.	Satin pink	.15	.35	1.00
2221A	Pink Beauty.	Dark rose pink	.15	.60	1.75
2253A	Wallacea.	Lavender	.15	.50	1.50
2257A	Watchung.	Pure white	.15	.35	1.00
2259A	Zvolanek's Pink.	Large; light pink	.15	.75	2.25
2264A	Mixed.	Winter flowering	.15	.35	1.00

## SWEET PEAS

### Zvolanek's Winter Flowering—Spencer Type Novelties

One ounce of seed is sufficient for a 200-foot row.

		Pkt.	¼ oz.	½ oz.
Pink and White Orchid.		\$0.25	\$3.00	\$5.00
White Orchid.	Pure white	.25	3.00	5.00
Lavender Orchid.	Lavender pink	.25	3.00	5.00
Mrs. A. A. Skaach.	Rich, light pink	.25	3.00	5.00

#### UNWIN TYPE NOVELTIES

Lavender Nora.	Color similar to Wallacea	.15	1.50	2.25
Norma.	Bright, clear pink	.15	1.50	2.25
White Nora.	Pure white	.15	1.50	2.25

### Michell's Intermediate Giant Flowering Sweet Pea "Blanche Ferry"

A novelty of extraordinary value. Blanche Ferry in all its types has been and is yet one of the most popular varieties, but up to the present time we had no Blanche Ferry which could be had in bloom during March, April and May. With the above novelty we are offering for the first time a Blanche Ferry of exceptional quality bearing from 4 to 5 gigantic blossoms on stems 16 to 22 inches in length that begin to put in an appearance about March 15th and continue coming until July 1st. In culture this Sweet Pea is like all other winter flowering varieties, except that it must be sown during the month of October. Our seed is original greenhouse-grown stock. Pkt., 15c.; \$1.25 per oz.; per ¼ lb., \$4.00.

## SWEET PEAS—General List

For early blooming outdoors we recommend sowing seed during the month of November; these will bloom much earlier the following year than spring-sown seed.

#### SPENCER, OR ORCHID FLOWERED VARIETIES

		Pkt.	Oz.	¼ lb.	
2099	Apple Blossom Spencer.	Deep pink.....	\$0.10	\$0.30	\$1.00
2100	Asta Ohn Spencer.	Rich lavender.....	.10	.40	1.25
2101	Black Knight Spencer.	Deep maroon...	.10	.25	.85
2112	Blanche Ferry Spencer.	Pink and white	.10	.30	1.00
2124	Captain of the Blues Spencer.	Deep blue	.10	.25	.85
2135	Countess Spencer.	Soft rose pink.....	.10	.30	1.00
2156	Florence Morse Spencer.	Delicate blush	.10	.30	1.00
2153	Frank Dolby.	Mauve lavender.....	.10	.20	.60
2161	George Herbert.	Rose pink.....	.10	.20	.60
2160	George Stark.	Bright scarlet.....	.10	.30	1.00
2152	Gladys Unwin.	Delicate pink.....	.10	.20	.60
2157	Helen Lewis.	Orange pink.....	.10	.25	.85
2169	King Edward Spencer.	Bright crimson.	.10	.50	1.50
2187	Lovely Spencer.	Delicate salmon pink..	.10	.30	1.00
2199	Mrs. Routzahn Spencer.	Buff pink.....	.10	.50	1.50
2201	Mrs. Sankey Spencer.	Pure white.....	.10	.30	1.00
2216	Nora Unwin.	Immense flower; pure white	.10	.25	.75
2219	Othello Spencer.	Deep maroon.....	.10	.40	1.25
2224	Primrose Spencer.	Light yellow.....	.10	.40	1.25
2255	White Spencer.	Clear white.....	.10	.25	.85

#### STANDARD VARIETIES

2105	<b>Black Knight.</b>	Deep maroon.....	\$0.15	\$0.35	\$1.15
2106	<b>Blanche Burpee.</b>	Large white.....	.15	.35	1.15
2110	<b>Blanche Ferry.</b>	Pink and white.....	.15	.35	1.15
2136	<b>Dorothy Eckford.</b>	Extra large white....	.15	.35	1.15
2142	<b>Duke of Westminster.</b>	Standard clear purple, wings violet.....	.15	.35	1.15
2150	<b>Emily Henderson.</b>	Pure white.....	.15	.35	1.15
2151	<b>Flora Norton.</b>	Delicate lavender.....	.15	.35	1.15
2162	<b>Hon. Mrs. E. Kenyon.</b>	Primrose yellow.....	.15	.35	1.15
2166	<b>Katherine Tracy.</b>	Soft but brilliant pink.....	.15	.35	1.15
2168	<b>King Edward VII.</b>	Crimson scarlet.....	.15	.35	1.15
2170	<b>Lady Grisel Hamilton.</b>	Pale lavender....	.15	.35	1.15
2186	<b>Lovely.</b>	Soft shell pink.....	.15	.35	1.15
2194	<b>Miss Willmott.</b>	Deep orange pink.....	.15	.35	1.15
2214	<b>Navy Blue.</b>	Deep violet blue.....	.15	.35	1.15
2218	<b>Othello.</b>	Very dark maroon.....	.15	.35	1.15
2222	<b>Prima Donna.</b>	Lovely soft pink.....	.15	.35	1.15

Price, any of the above Standard Varieties, 5c. per packet

#### SWEET PEAS IN MIXTURE

		Pkt.	Oz.	¼ lb.	Lb.
2262	Michell's Superb "Spencer" Mix-	\$0.10	\$0.20	\$0.60	\$2.25
2258	Michell's Magnificent Mixture	.05	.15	.50	1.50
2260	Michell's Gilt Edge Mixture	.05	.10	.30	1.00





Single Sweet William

**SWEET WILLIAM (Dianthus Barbatius)**

Produces fine effects in beds and shrubbery.

	Oz.	Large Pkt.	Pkt.
2306 Single Crimson .....	\$0.50	\$0.15	\$0.05
2307 " Red with white eye.....	.50	.15	.05
2308 " Velvety Maroon.....	.50	.15	.05
2309 " Violet, with white eye.....	.50	.15	.05
2311 " White .....	.50	.15	.05
2312 " Mixed. All colors.....	.30	.15	.05
2313 Pink Beauty. Fine salmon pink.....		.40	.15
2315 Scarlet Beauty. Rich deep scarlet....		.50	.15
2310 Auricula Flowered. A beautiful class of "eyed" single varieties, all colors mixed	.50	.15	.05
2314 Double Mixed. ....	1.00	.20	.10

**TRITOMA (Red Hot Poker Plant)**

2345 Uvaria Grandiflora. Large spikes of orange-scarlet flowers; perennial; 3 to 4 feet.....	.20	.10
--	-----	-----

**VALERIANA (Garden Heliotrope)**

Hardy perennial border plants; fragrant flowers; 2 to 3 feet.

2348 Officialis. Showy, rose pink flowers.....	\$0.40	\$0.10
2350 Mixed .....	.15	.05

**VERONICA (Speedwell)**

An elegant hardy perennial of easy culture and free flowering habit; valuable as a cut flower or for garden effect. Plants grow bushy and produce long spikes of flowers.

	Large Pkt.	Pkt.
2373 Spicata. Bright blue; 18 inches.....	\$0.30	\$0.10
2374 Virginica. White flowers; 3 to 5 feet.....	.30	.10



Viola Cornuta

**VIOLA CORNUTA (Tufted Pansies)**

These resemble pansies in shape and form, and appear uninterruptedly from early spring till snow flies; they require a semi-shady, moist situation.

	Large Pkt.	Pkt.
2385 <b>Admiration.</b> Dark blue .....	\$0.30	\$0.10
2386 <b>Lutea Splendens.</b> Rich, golden yellow .....	.30	.10
2387 <b>Perfection.</b> Light blue .....	.30	.10
2388 <b>White Perfection.</b> Pure white .....	.30	.10
2384 <b>Mauve Queen.</b> Lovely mauve color .....	.30	.10
2389 <b>G. Wernig (New).</b> Of the identical color of the "Princess of Wales" Violet .....		.20

**VIOLET—Sweet Scented (Viola Odorata)**

2390 Single Blue Czar. Dark blue .....	\$0.40	\$0.10
2392 Single White Czar. Large white .....	.40	.10
2394 Single Mixed. Blue and white .....	.40	.10

**WALLFLOWER**

While a perennial, they are not perfectly hardy and should be protected in a cold frame and planted out early in spring.

	Large Pkt.	Pkt.
2400 Double Brown .....	\$0.50	\$0.10
2402 Double Yellow .....	.50	.10
2404 Double Mixed. All colors .....	.40	.10
2408 Single Mixed. All colors.....oz. 30c.	.15	.05
2410 Imported Collection. 8 double varieties.....		.50
Paris Extra Early. A single flowering variety which may be treated as an annual:		
2407 Blood Red.....	.20	.10
2409 Yellow .....	.20	.10
2406 Mixed. All colors.....oz. 50c.	.15	.10

**MICHELL'S COLLECTION OF HARDY PERENNIAL FLOWER SEEDS**

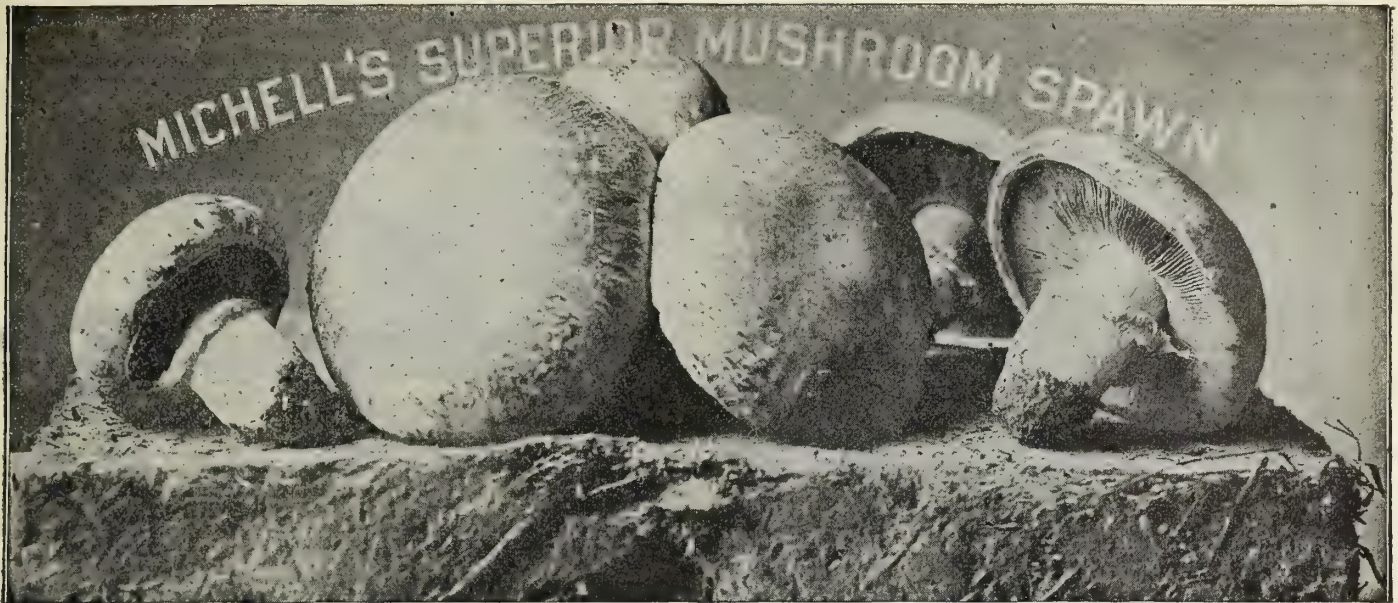
One packet each of the following varieties for \$1.25.

Aquilegia. Single Mixed	Heuchera. Sanguinea.
Calliopsis. Lanceolata.	Hollyhock. Double Mixed.
Campanula. Pyramidalis.	Lobelia. Cardinalis.
Delphinium. Formosum.	Phlox. Decussata. Mixed.
Dianthus. Clove Scented.	Poppy. Orientale.
Digitalis. Gloxiniaeflora.	Pyrethrum. Single. Mixed.
Mixed.	Scabiosa. Caucasica.
Gaillardia. Grandiflora.	Stokesia. Cyanea.
Gypsophila. Paniculata.	Sweet William. Double.

**MICHELL'S SUPERB MIXTURE OF PERENNIAL FLOWERS**

To create an old-fashioned wild garden or to naturalize along roads or woods we highly recommend this mixture, as it contains many hundred varieties of the choicest old-fashioned flowers. Pkt., 10c.; 25c. ½ oz.; 1 oz., 50c.; \$1.50 per ¼ lb.





## BRIEF CULTURAL DIRECTIONS FOR GROWING MUSHROOMS



HIS delicacy is within the reach of any one who has a greenhouse or a cellar. A crop is produced with good spawn, a little care and patience in about 4 to 6 weeks, and continues in bearing about two months. New beds can be started at intervals which will give a supply the entire season. The first planting can be made in July, the last in March. Summer spawned beds do not bear well.

Get a quantity of absolutely fresh horse manure and remove the excessive heat by turning it once a day, for 3 days, or until the temperature has fallen to about 100°. Then form a bed 8 to 10 inches deep and allow it to remain undisturbed until the temperature has fallen to 80°. Now is the time to plant the spawn. Break the bricks in pieces the size of a walnut, and place at regular intervals of 1 to 2 inches below the surface of the bed in distance to plant 8 square feet with one brick, compress the manure after spawning to make the bed solid. Nothing now must be done until the bed has a whitish appearance which shows that the spawn is running, nor must it be watered previously. Now place a layer of fine sifted soil, (which should be procured in advance) to the depth of 1 to 2 inches on the bed. With an occasional sprinkling when dry, the bed should begin to produce in from 4 to 6 weeks from spawning time, conditions being favorable. *New beds must be made at each planting.*

Send for our free booklet "Mushrooms, How to Grow Them Successfully."

### MICHELL'S SUPERIOR ENGLISH MUSHROOM SPAWN

15c. per brick (25c. postpaid); per doz., \$1.60; 25 lbs., \$2.50; \$8.00 per 100 lbs.

### LAMBERT'S AMERICAN PURE CULTURE SPAWN

This type produces larger mushrooms than the English, coming into bearing somewhat earlier, and continuing to crop for a long time. This spawn is produced by selecting spores from individual specimen mushrooms and is propagated and transferred to the bricks of manure, which, when planted, produce mushrooms all of one type.

**Standard No. 8 Cream White.** For use from April to October.

**Standard No. 9 Pure White.** For use from October to April.

#### Prices of Pure Culture Spawn. Standard Bricks.

Per brick, about 1 3/4 lbs. ....	\$0.25	10 bricks .....	\$2.00
" " postpaid .....	.35	25 " .....	4.00
5 bricks .....	1.10	50 " .....	7.00

**Direct No. 8 Cream White.** For use from April to October.

**Direct No. 9 Pure White Type.** For use from October to April.

#### Prices of Pure Culture Spawn. Direct Bricks.

This strain is the earliest and produces a greater quantity than the "Standard."

Per brick .....	\$0.30	10 bricks .....	\$2.30
" " postpaid .....	.40	25 " .....	5.60
5 bricks .....	1.25	50 " .....	10.50

### BRANDYWINE PURE CULTURE SPAWN

This is an entirely new strain originating in the section of Pennsylvania that supplies the New York and Eastern markets with mushrooms. It appears to be especially full of life, and we can recommend it as an early and prolific producer; mushrooms are uniform and almost pure white in color.

Per brick .....	\$0.30	10 bricks .....	\$2.30
" " postpaid .....	.40	25 " .....	5.60
5 bricks .....	1.25	50 " .....	10.50



### MUSHROOM OR HOT BED THERMOMETERS

Mailed at customer's risk only. Add 15c for mailing.

Heavy Brass Point style .....	\$1.50
Heavy Iron Point style .....	1.00

### BOOKS ON GROWING MUSHROOMS

**Pamphlet** (gratis for a postal card asking for it).

**Robinson's Book** (postpaid) .....

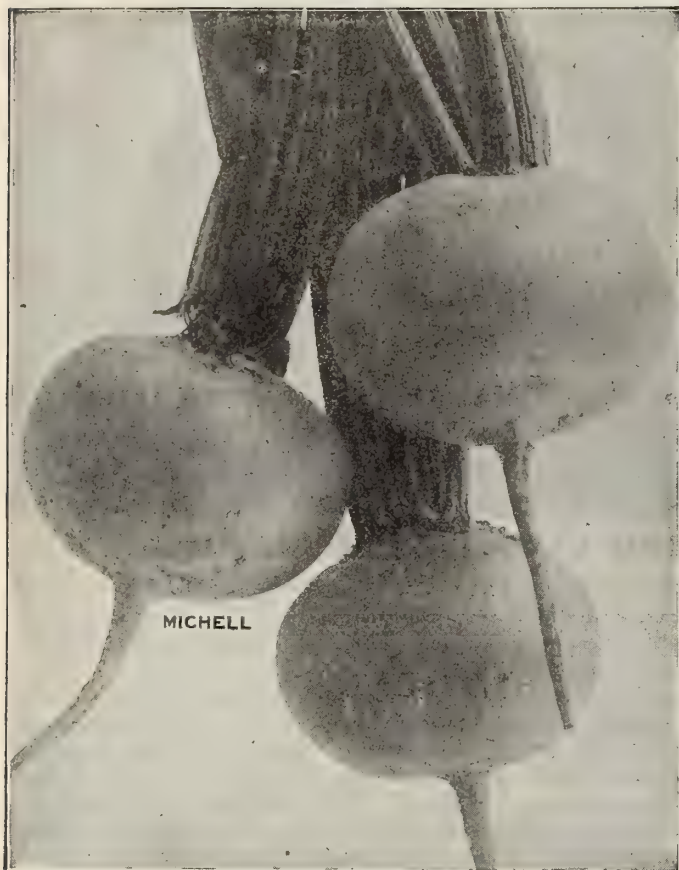
**Falconer's Book** (postpaid) .....

**We are Headquarters for Mushroom Spawn**



# SEASONABLE VEGETABLE SEEDS

For a complete list see our General Seed Catalog, mailed on request



Crosby's Egyptian Beet

## BEET—Table Varieties

	Pkt.	Oz.	¼ Lb.	Lb.
Arlington Favorite Blood (Turnip) . . .	\$0.05	\$0.15	\$0.55	\$2.00
Bassano Extra Early (Turnip) . . . . .	.05	.15	.50	1.75
Bastian's Early Turnip . . . . .	.05	.15	.55	2.00
Crosby's Egyptian (Turnip) . . . . .	.05	.20	.75	2.75
Detroit Dark Red (Turnip) . . . . .	.05	.15	.55	2.00
Eclipse Extra Early (Round) . . . . .	.05	.15	.55	2.00
Edmand's Blood (Turnip) . . . . .	.05	.15	.55	2.00
Lentz Turnip . . . . .	.05	.15	.55	2.00

Also all other Varieties



Forcing Beans, Triumph of the Frames

## FORCING BEANS

These are a very prolific crop in a greenhouse during winter months. They are easily succeeded with requiring little care except warmth, etc.

	Pkt.	Pt.	Qt.	4 Qts.
Sion House (Green Round Pod) . . . . .	\$0.10	\$0.35	\$0.60	\$2.15
Triumph of the Frames. For forcing this is especially desirable; the pods are round, thin and tender, but very long . . . . .	.10	.25	.45	1.60

## FORCING CUCUMBERS

English Sorts	Pkt. of 12 seeds	Per 100 seeds
Covent Garden . . . . .	\$0.25	\$2.00
Lockie's Perfection . . . . .	.25	2.00
Marquis of Lorne . . . . .	.25	2.00
Rochford's Market . . . . .	.25	2.00
Sion House . . . . .	.25	2.00
Telegraph . . . . .	.25	2.00
Tender and True . . . . .	.25	2.00

Also all other Varieties

## CAULIFLOWER

Varieties especially suited to sow under glass.

	Pkt.	¼ Oz.	Oz.
Early Snowball . . . . .	\$0.20	\$0.85	\$2.75
Earliest Snow Storm . . . . .	.25	1.50	5.00
Michell's Selected Erfurt . . . . .	.20	.85	2.75

## TESTIMONIAL ON MICHELL'S CAULIFLOWER

Carlisle, Pa.

I am pleased to say that the seed of Cauliflower procured of you produced extra fine heads. It gave the best of satisfaction to my critical trade in New York.

J. ROBBINS.

## FORCING CARROTS

	Pkt.	Oz.	¼ Lb.	Lb.
Early Scarlet Horn, ½ long . . . . .	\$0.05	\$0.20	\$0.70	\$2.50
Early Short Horn, round . . . . .	.05	.20	.70	2.50
Rubicon, ½ long . . . . .	.05	.20	.75	2.75

Sion House Cucumbers



Michell's Selected Snowball Cauliflower



**CORN SALAD**

This is usually sown early in September and allowed to stand outside all winter. Before severe weather settles, cover the salad with a light litter of leaves, hay or straw. On mild days it can be cut just like spinach, lasting well into the spring.

	Pkt.	Oz.	¼ lb.	Lb.
<b>Large Leaved Round Seeded</b>	\$0.05	\$0.10	\$0.25	\$0.70

**CRESS**

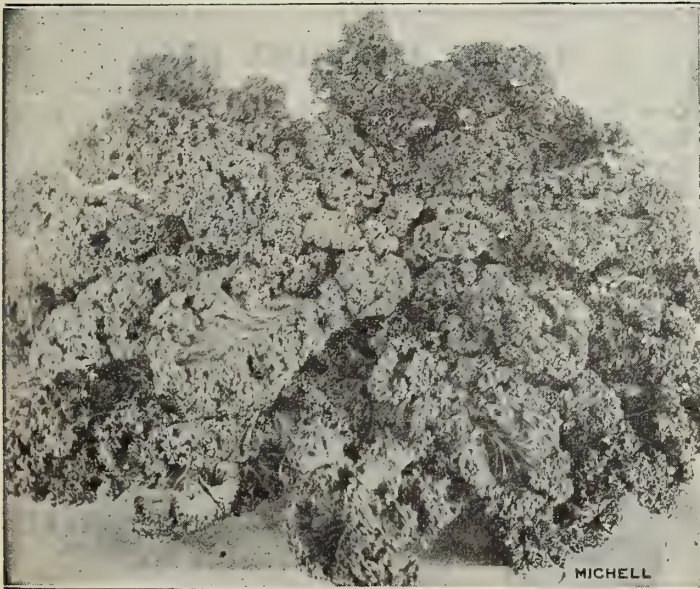
Garden and Water Cress make an excellent winter crop under glass, and will always be welcomed on the table.

**Erfurt Water Cress**, pkt., 10c; 20c. per ½ oz.; oz., 30c.; \$1.00 per ¼ lb.

**Extra Curled Garden Cress or Pepper Grass**, pkt., 5c.; 10c. per oz.; ¼ lb., 20c.; 50c. per lb.



Water Cress



Dwarf Green Scotch Kale

**KALE**

This can be sown early in September, broadcast or in drills. When severe cold weather is at hand it should be protected with a covering of straw, salt hay or other litter. On mild days it can be gathered readily, making an excellent winter greens, which will last well into spring.

	Pkt.	Oz.	¼ lb.	Lb.
<b>Dwarf Green Curled German</b>	\$0.05	\$0.10	\$0.25	\$0.80
<b>Dwarf Green Scotch</b>	.05	.10	.30	.80
<b>New Imperial Long Standing</b>	.05	.10	.30	.90



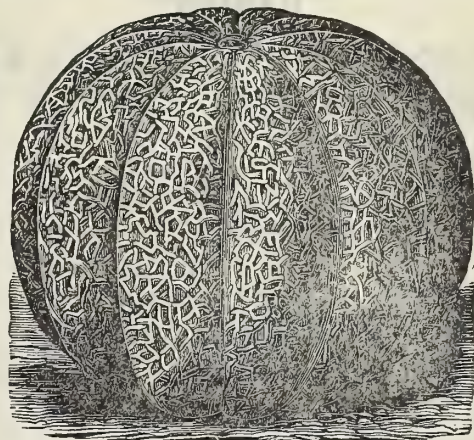
Boston Market Lettuce

**LETTUCE**

Varieties especially suited for forcing and sowing under glass.

	Pkt.	½ oz.	Oz.	¼ lb.	Lb.
<b>All Heart</b>	\$0.10	\$0.15	\$0.25	\$0.75	\$2.25
<b>Big Boston</b> (Selected Stock)	.05	.10	.20	.60	2.00
<b>Boston Market</b> (White Seeded)	.05	.10	.20	.50	1.50
<b>Dutch Butter</b> , Private Stock	.10	.15	.30	1.00	2.50
<b>Emperor Forcing</b>	.05	.10	.20	.50	1.60
<b>Golden Queen</b>	.05	.10	.20	.50	1.50
<b>Grand Rapids Forcing</b>	.05	.10	.20	.50	1.50
<b>Micell's "Number One"</b>	.10	.15	.30	1.00	3.00
<b>Sensation</b>	.05	.10	.20	.50	1.75
<b>Silver Ball</b>	.05	.10	.20	.50	1.50
<b>Tennis Ball</b> (Black Seeded)	.05	.10	.20	.50	1.50
<b>Unrivalled</b>	.05	.10	.20	.60	2.00
<b>Wonderful</b>	.05	.10	.20	.50	1.75

For other Varieties see our General Seed Book

**FORCING MELONS OR CANTALOUPE**

They require a very warm well-shaded house, thriving best in good rich soil. If you have a spare corner try a few plants. A single plant produces a number of fruits.

	Per Packet
<b>Blenheim Orange, Invincible Scarlet</b> , Each	\$0.25
<b>Sutton's A1</b> , 50c. per pkt.	.25
<b>Windsor Castle</b>	.10
<b>Emerald Gem</b>	.10
<b>Rockyford</b>	.10

**ONION SETS**

	Qt.	4 qts.	Peck
<b>Tree or Top</b>	\$0.15	\$0.50	\$0.80
<b>White</b>	.25	.90	1.50
<b>Yellow</b>	.20	.70	1.25

**PARSLEY**

	Pkt.	Oz.	¼ lb.	Lb.
<b>Champion Moss Curled</b>	\$0.05	\$0.20	\$0.50	\$1.75
<b>Double Curled</b> (Covent Garden)	.05	.20	.50	1.75
<b>Hamburg or Rooted</b>	.05	.20	.50	1.75





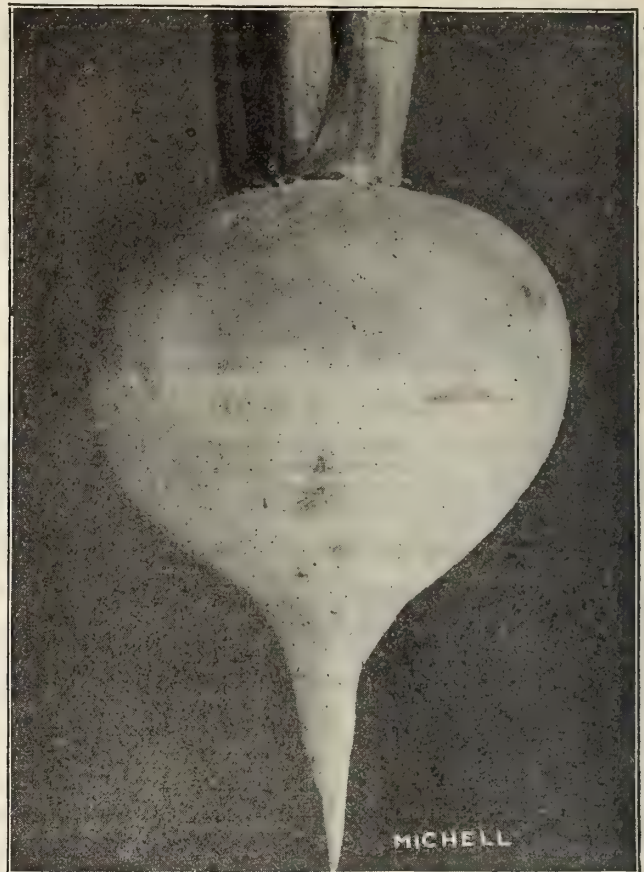
*MicHELL's (Improved Strain) Cardinal Globe Radish*

### RADISH

	Pkt.	Oz.	¼ Lb.	Lb.
Beckert's Chartier (Long Scarlet) . . .	\$0.05	\$0.10	\$0.30	\$0.75
Black (½ Long Winter) . . . . .	.05	.10	.30	1.00
Black Spanish (Long Winter) . . . . .	.05	.10	.25	.75
Black Spanish (Round Winter) . . . . .	.05	.10	.25	.75
Brightest Scarlet (½ Long) . . . . .	.05	.10	.20	.60
California White Winter . . . . .	.05	.10	.25	.75
Cardinal Globe . . . . .	.05	.15	.35	1.25
Cardinal Globe (Improved Strain) . . . . .	.05	.20	.50	1.50
Celestial or White Chinese (Winter) . . . . .	.05	.10	.30	1.00
Crimson Giant (New) . . . . .	.05	.15	.35	1.00
Fireball . . . . .	.05	.10	.30	.85
French Breakfast . . . . .	.05	.10	.30	.85
Golden Olive Shaped (Yellow) . . . . .	.05	.10	.20	.65
Icicle (Long, Pure White) . . . . .	.05	.10	.30	.85
Icicle (Improved Strain) . . . . .	.05	.15	.40	1.25
Large White Summer (Turnip-Shaped) . . . . .	.05	.10	.20	.60
Long Scarlet Short Top . . . . .	.05	.10	.25	.80
Long White Lady Finger . . . . .	.05	.10	.25	.75
Round Red Forcing or Button . . . . .	.05	.10	.30	.85
China Rose (Winter) . . . . .	.05	.10	.25	.70
Round White Forcing or Button . . . . .	.05	.10	.30	.85
Scarlet China Winter (½ Long) . . . . .	.05	.10	.25	.75
White Box (Felton's Private Stock) . . . . .	.05	.15	.30	1.00
White Box (Philadelphia Grown) . . . . .	.05	.10	.25	.75
White Strasburg (½ Long) . . . . .	.05	.10	.20	.70

### "WIZARD BRAND" SHREDDED COW MANURE

Far superior to ordinary fresh cow manure; for potting, mulching or other purposes. 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 75c.; \$1.25 per 50 lbs.; per 100 lbs., \$2.00; \$9.00 per 500 lbs.; per 1000 lbs., \$16.00; \$30.00 per ton.



*Private Strain Improved Purple Top White Globe Turnip*

### TURNIP AND RUTA BAGA

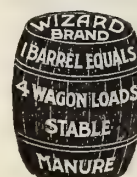
	Pkt.	Oz.	¼ Lb.	½ Lb.	Lb.
Cow Horn . . . . .	\$0.05	\$0.10	\$0.20	\$0.30	\$0.60
Early Purple Top, Flat . . . . .	.05	.15	.30	.45	.75
Early White Egg . . . . .	.05	.10	.20	.30	.50
Early Purple Top Munich . . . . .	.05	.15	.30	.45	.75
White Globe (Private Stock) . . . . .	.05	.15	.35	.50	1.00
Purple Top White Globe . . . . .	.05	.15	.30	.45	.75
Robertson's Golden Ball . . . . .	.05	.10	.20	.30	.50
Ruta Baga, Yellow Purple Top . . . . .	.05	.10	.25	.40	.75
Ruta Baga, Private Stock, Globe . . . . .	.05	.15	.35	.65	1.25
Snow Ball, Extra Early, White . . . . .	.05	.10	.20	.35	.60
White Flat Dutch, Strap Leaved . . . . .	.05	.10	.20	.30	.50
White Milan, Extra Early . . . . .	.05	.10	.25	.45	.80
Yellow Aberdeen, Flat . . . . .	.05	.15	.35	.50	.80
Yellow Globe or Amber . . . . .	.05	.10	.30	.50	.80



### "WIZARD BRAND" SHEEP MANURE

#### MAKES POOR SOIL RICH

One of the most economical as well as easily handled fertilizers it is possible to get.



Can be used in gardens, on the lawn, in greenhouses or on the window flower garden in any quantity, as it will not burn. 25 lbs., 75c.; \$1.25 per 50 lbs.; 100 lbs., \$2.00; 500 lbs., \$9.00; \$16.00 per 1000 lbs.; 2000 lbs. (1 ton), \$30.00



Spinach. *Bloomsdale Savoy* (Improved Strain)**SPINACH**

	Pkt.	Oz.	¼ lb.	Lb.	5 lbs.
<b>Bloomsdale Savoy</b> . . . . .		\$0.05	\$0.15	\$0.40	\$1.75
<b>Bloomsdale</b> (Improved Strain) . \$0.05		.10	.20	.50	2.00
<b>Garden Giant</b> . . . . .	.05	.10	.25	.60	
<b>Long Season</b> (New) . . . . .	.05	.10	.20	.50	2.25
<b>New Zealand</b> . . . . .	.05	.10	.30	1.00	
<b>Victoria</b> (Long Standing) . . . .	.05	.15	.40	1.75	

**FORCING RHUBARB** (*Ready in October*)

Rhubarb is as readily obtainable in winter as well as spring. The clumps which should be at least four years' old should be planted in good garden soil in a cool cellar, preferably as dark as possible. Where practicable, a barrel or a peach basket, either without a bottom, should be placed over each root to draw the top up. Does extra well under greenhouse benches. Place the roots as close as possible. When spring approaches and rhubarb is obtainable out doors the clumps may be planted out for use another season. The roots should always be subjected to a slight frost before planting indoors. We offer large clumps of the *Victoria* variety, 25c. each (not mailable); \$2.50 per doz.; 25 for \$4.25; \$15.00 per 100.

**One Year Old Rhubarb** for out-door planting, 10c. each; doz., \$1.00; \$6.00 per 100.



Forcing Tomato-Comet

**TOMATOES** *Adapted for Forcing*

	Pkt.	½ oz.	Oz.
<b>Best of All</b> ( <i>Sutton's</i> ) in original Pkts. . . . \$0.50			
<b>Crackerjack</b> ( <i>Mitchell's</i> ) . . . . .	.20	.60	1.00
<b>Comet</b> . . . . .	.10	.20	.40
<b>Eclipse</b> ( <i>Sutton's</i> ) in original Pkts. . . . .	.50		
<b>Lorillard</b> . . . . .	.10	.15	.30
<b>Bonny Best</b> . . . . .	.10	.20	.40
<b>Stone</b> (Private Stock) . . . . .	.10	.20	.40

**ASPARAGUS ROOTS** (*For Forcing*)(*Ready in October*)

Asparagus can be forced readily in boxes under greenhouse benches, or in almost any out of the way place where there is bottom heat. They like plenty of moisture after they have started. Subject them to a slight freezing before planting so they will force more readily. Extra large clumps, **Barr's Mammoth**, each, 20c.; \$2.00 per doz.; per 100, \$12.00.

**ASPARAGUS ROOTS** (*For Out-Door Planting*)(*Ready in October*)

	2-Year Old		3-Year Old	
	Per 100	Per 1000	Per 100	Per 1000
<b>Barr's Mammoth</b> . . . . .	\$0.75	\$5.50	\$1.50	\$12.50
<b>Columbian Mammoth White</b> . . . . .	.75	5.50	1.50	12.50
<b>Giant Argenteuil</b> . . . . .	1.00	7.50	1.75	15.00
<b>Conover's Colossal</b> . . . . .	.75	5.50	1.50	12.50
<b>Palmetto or Eclipse</b> . . . . .	.75	5.50	1.50	12.50



# MICHELL'S "GREEN VELVET" GRASS SEED

This mixture has stood the test of every clime and region in the United States. It is the result of many years of untiring study, labor and experimenting, coupled with the endeavor to give the man with a lawn a grass seed mixture which will produce a perfect turf. It is composed of close growing, fine leaved hardy grasses which will stand wear and tear, and outlive the severest winter, retaining at all times its lustrous green color. Our experiments have proven conclusively that only with a reliable mixture of several varieties of grasses can a quick permanent lawn be produced, for this reason we do not recommend the sowing of any one variety, such as Blue Grass, etc., alone.

**Michell's Green Velvet Grass Seed** weighs 20 lbs. per bushel. This fact alone is proof of its purity,

**Quantity to sow.** You cannot sow too much, the more the better, it means a quicker, more satisfactory and lasting result. We recommend, on new ground, to sow as follows:

1 qt. on 100 sq. feet (10 x 10); 4 qts. on 600 sq. feet (20 x 30); 1 peck on 1,500 sq. feet (30 x 50); 1 bushel on 7,000 sq. feet (70 x 100); 5 to 6 bushels per acre for best effects.

**Prices:** 1 pint, 20c.; 1 qt., 30c.; 4 qts., 85c.; 1 peck, \$1.25; 1 bu., \$5.00; 5 bu., \$24.00; 10 bu., \$47.50; 25 bu., \$112.50.

Booklet "How to Make and Care for a Lawn" free on application.

## One of the many Testimonials received on the merits of Michell Grass Seeds:

The 30 bushels of Green Velvet Grass Seed received from you last month was sown in three different places (about seven acres in all). I feel proud when I say it was the best seed I ever handled; the lawns it made are great.

D. J. BENNETT,  
Supt. to Percy Leavitt, Esq., Akron, Ohio.

**You can have a lawn like this in 4 to 6 weeks with Michell's Green Velvet Grass Seed**

The remarkably *Fine Lawns* seen at the Philadelphia National Export Exposition, The Pan-American Exposition, Buffalo; The Jamestown Exposition, Va.; The Lewis-Clarke Exposition, Portland, Ore., were seeded with **Michell's Green Velvet Grass Seed**. For years it has been extensively sown in the Public Parks and Squares of Philadelphia (including Fairmount Park). The Parks of Wilkes-Barre, Reading, Harrisburg, Penna., on the Executive Mansion Grounds, Washington, D. C., and on thousands of Country Estates.



## Michell's New Grass Seed Mixture "Top Notch"

**25 Lbs. per Bushel**

At any price it would hardly be possible to get together a more perfect blend of thoroughly re-cleaned grasses than this mixture. From experiments made it seems to do unusually well under most every condition of soil, weather and climate, retaining at all times its brilliant green color. Again we have frequently been asked on orders to send a lawn mixture of quality "par excellence" regardless of price, so finally decided that there was room for still greater improvement in lawns than our already high grade mixtures of grasses would produce.

**Top Notch** weighs **25 lbs. per bushel** and we are safe in saying that it can hardly be produced elsewhere at the price we quote it. Our grass seed sales running close to a half million (500,000) lbs. per year, we are able to get the choice of the Grass Seed Market. Imagine a perfect Grass Plot with a slight inkling of white clover where every tuft and blade is fine, closely grown together and without a weed. There is not a particle of chaff in this mixture and it cannot help but satisfy the most particular lawn critic. On account of the heavy nature and quality of the seed, unusual results are obtained in the shortest space of time. We recommend sowing this mixture at the rate of about  $3\frac{1}{2}$  to 4 bushels per acre to establish new lawns. It is not put up or sold in quantities of less than a peck. Price: \$2.00 per peck, per  $\frac{1}{2}$  bush. \$3.75, \$7.00 per bush. (of 25 lbs.), 2 bush. \$13.50, \$32.50 per 5 bush., 10 bush. \$62.50.

Late Summer and Autumn is the time to sow Grass Seeds



## MICHELL'S EVERGREEN GRASS SEED

Where soil conditions and weather are ideal this mixture will in most cases produce a green sward in three to four weeks. It is composed of the finest native and foreign short growing and fine bladed lawn grasses and will form a turf which can only be approached for quality by a covering of real velvet. The quantity required to sow a given space is the same as that recommended for Michell's Green Velvet on the opposite page. It weighs 20 lbs. per bushel and every kernel is full of vitality. Prices: Pint 15c., qt. 25c., 4 qts. 65c., peck \$1.00, bush. (20 lbs.) \$4.00, 5 bush. \$19.50, 10 bush. \$38.50.

### TESTIMONIAL

*I bought from you last winter some Michell's Evergreen Grass Seed and sowed it this spring. It is by long odds the finest I've ever seen, if my lawn is any criterion.*  
Washington, D. C.  
W. H. Green.

### TESTIMONIAL

*Your Michell's Evergreen Grass Seed has already produced a fine lawn and sown only a few weeks ago. It's a grand mixture indeed.*  
Trenton, N. J.  
Henry Clinkaberry.



**MICHELL'S SHADED LAWN  
GRASS SEED**  
25¢ per qt., 4 qts. 75¢, \$1.25 per peck  
per bu. 20 lbs. \$5.00.

## MICHELL'S SHADED LAWN GRASS SEED

Shaded Locations produced by overhanging large trees, shrubbery, buildings, etc., have often been found difficult to keep in grass. We have made a special study of such conditions and after extensive experimenting have combined a mixture of grasses that will produce perfect swards in the most densely shaded places. It must be borne in mind that too much shade creates sour soil and to guard against this apply air-slaked lime (or land plaster where the former is not available) at the rate of 1 bushel to each 1000 square feet. Lime should be applied about every three years only, while land plaster may be applied periodically during the summer. Frequent fertilizer applications, such as bone meal or sheep manure are a great help in establishing a thick, healthy growth of grass in shaded places. Sow seed at the same rate as recommended for Green Velvet Grass on preceding page. This mixture weighs 20 lbs. per bushel and will prove to be a remarkable success. Prices: 1 pt. 15c., 1 qt. 25c., 2 qts. 40c., 4 qts. 75c., peck \$1.25, bush. (20 lbs.) \$5.00, 5 bush. \$24.00, 10 bush. \$47.50. We sell Sheep Manure, Bone Meal, Land Plaster, etc.

### TESTIMONIAL

*I've used Michell's Shaded Lawn Seed and have the highest praise for its remarkable quality. Have tried many times previously to get a stand of grass under some trees, but have not been successful 'till I used your Shaded Lawn Mixture.*  
Frackville, Pa.  
W. R. Trautman.

### TESTIMONIAL

*Enclosed find check for \$33.70 for Michell's Shaded Lawn Seed received. I've used this on new ground, and tho' sown but a short time it is all up and the ground well covered with grass. It has given splendid satisfaction.*  
West Chester, Pa.  
S. G. Willauer.



# MICHELL'S SPECIAL MIXTURES OF GRASSES

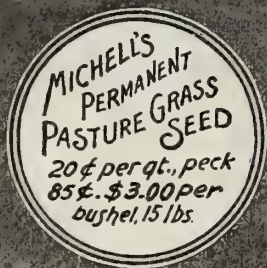
**Fairmount Park Lawn Seed.** A very fine mixture indeed, meeting the requirements of those desiring a moderately priced grass seed. Sow 4 bushels to the acre on new lawns or  $2\frac{1}{2}$  bushels in renovating old lawns. Prices: Per qt. 20c., 35c. for 2 qts., 4 qts. 60c., 85c. per pk., per bush. of 15 lbs. \$3.00, \$14.00 for 5 bush., 10 bush. \$28.50.

**Michell's Seashore Formula Grass Seed.** The salt atmosphere plays havoc with the seashore lawn. This formula contains such grasses only as thrive in salt air regions. Sow 4 bushels to the acre on new ground or  $2\frac{1}{2}$  bushels for reseeding old lawns. Prices: Per qt. 25c., 40c. for 2 qts., 4 qts. 75c., \$1.25 per pk., per bush. of 20 lbs. \$5.00, 5 bush. for \$24.00, \$46.00 for 10 bush.

**Michell's Terrace or Embankment Grass Seed.** Sow 4 bushels per acre. Prices: Per qt. 25c., 40c. for 2 qts., 4 qts. 75c., \$1.25 per pk., per bush. of 20 lbs. \$5.00, 5 bush. \$24.00, \$46.00 for 10 bush.

**Southern States Lawn Grass Seed.** Made up especially for dry, hot localities, especially suited to the Southern States. 15 lbs. per bushel. Prices: 20c. per qt., 2 qts. 35c., 60c. for 4 qts., pk. \$1.00, \$3.50 per bush., 5 bush. \$16.25.

**Special Sod Grass Seed.** A quick growing mixture, making a very tough and heavy sod in a short time; especially valuable for cemeteries, tennis courts, pleasure grounds, etc. 15 lbs. per bush. Prices: 25c. per qt., 2 qts. 40c., 75c. for 4 qts., pk. \$1.00, \$4.00 per bush., 5 bush. \$18.75, \$36.50 for 10 bush.



**Michell's Permanent Pasture Grass Seed.** In the past few years ideas of what was the best way to establish a permanent grazing sod have undergone many changes. The then prevalent method of sowing timothy and clover has been found not only costly but too short lived to answer the purpose. The old custom has given way to the new, which is the sowing of a mixture of permanent grasses. Michell's Permanent Pasture Grass Seed is composed of about 10 of the best growing and most nutritious grasses and clovers for stock feeding or grazing. One sowing will last many years, although we advise additional sowings each autumn just previous to which a light harrowing is recommended to give the grass a quick hold. Sow 3 to 4 bushels per acre on new lands or 2 bushels on established pastures (15 lbs. per bushel). Prices: Per qt. 20c., 4 qts. 50c., peck 85c., bush. (15 lbs.) \$3.00, 5 bush. \$13.75, 10 bush. \$26.00, 25 bush. \$62.50, 50 bush. \$120.00.

**Michell's Permanent Hayfield Grass Seed.** While timothy is still extensively sown for this purpose, this mixture is gradually being adopted by the progressive farmer. Its main advantages are that certain grasses in the mixture will grow better in varying conditions of soil, thus giving a full crop of hay on land that otherwise might produce but a half crop of timothy and clover. Our formula is the outcome of thorough trials in every kind of soil. Sow 3 to 4 bushels per acre on new lands, or 2 bushels on established fields (15 lbs. per bushel). Prices: Per qt. 20c., 4 qts. 50c., peck 85c.; bush. (15 lbs.) \$3.25, 5 bush. \$14.00, 10 bush. \$27.00, 25 bush. \$65.00, 50 bush. \$125.00.

**White Clover.** Choicest re-cleaned for sowing on lawns, pastures, etc. Sow 10 to 12 lbs. per acre (60 lbs. per bu.).  $\frac{1}{4}$  lb. 15c., 50c. lb., 5 lbs. \$2.40, \$4.75 for 10 lbs., bu. (60 lbs.) \$27.00, \$42.00 per 100 lbs.

## MICHELL'S GOLF GROUND GRASS SEED


We give special attention to Grasses suitable for Golf Grounds, and our formulas for the mixtures offered below are the results of many years of study and have been reached after many extensive tests, and those using our mixtures will not be disappointed in the results.

The best known Golf and Country Clubs are using our mixtures and their grounds are conceded to be the finest golfing turfs in America.

**Michell's Fair Greens Mixture.** Price: Qt. 20c., 2 qts. 35c., 4 qts. 50c., peck 85c., 1 bu. (15 lbs.) \$3.00, 5 bush. \$15.00, 10 bush. \$27.50. (Sow 6 bushels per acre.)

**Michell's Putting Green Mixture.** Price: Qt. 30c., 4 qts. 90c., peck \$1.50, 1 bush (20 lbs.) \$6.00, 5 bush. \$28.75, 10 bush. \$55.00. (Sow 1 bushel to a green 75 feet square.)






# MICHELL'S GRASS SEEDS

MAKE FINE LAWNS  
IN 4 TO 6 WEEKS TIME

MICHELL'S  
GOLF COURSE GRASS SEED  
\$ 3.00 PER BUSHEL



## MICHELL'S SHADED LAWN SEED

\$1.25 PER PECK  
\$5.00 PER BUSHEL

## MICHELL'S EVERGREEN LAWN SEED

\$1.00 PER PECK  
\$4.00 PER BUSHEL (20 LBS)



## MICHELL'S PERMANENT PASTURE GRASS SEED

\$3.00 PER BUSHEL

**HENRY F. MICHELL CO.**  
518 MARKET ST., PHILADELPHIA



## SEPTEMBER AND OCTOBER are Ideal Months for SOWING GRASS SEED



### MICHELL'S "HAY FIELD" GRASS SEEDS

PER QT. 20c POSTPAID 25c  
PER 4 QT 50c  
PER PECK 85c  
PER BUSHEL \$3.00  
5 BUSHELS \$14.00  
10 BUSHELS \$27.00

## MICHELL'S GRASS SEED, in Separate Varieties

**Awnless Brome** (*Bromus Inermis*). Sow 40 lbs. per acre (bu. 14 lbs.) Price, 20c. per lb., per. bu. \$2.50, \$15.00 per 100 lbs.

**Blue Grass, Fancy Kentucky** (*Poa Pratensis*). Our stock of this is extra fine, thoroughly recleaned; sow 3 to 5 bu. per acre on lawns, 2½ to 3 bu. on pasture fields (bu. 14 lbs.) Price, 20c. per qt., per lb. 25c., per bu. \$2.50, \$15.00 per 100 lbs.

**Blue Grass, Canadian** (*Poa Compressa*). Makes an ideal pasture highly relished by cattle; excellent also for sowing on embankments; sow in same proportions as Kentucky Blue Grass Seed (bu. 14 lbs.) 15c. per lb., bu. \$2.00, \$11.00 per 100 lbs.

**Creeping Bent** (*Agrostis Stolonifera*). Adapted admirably for lawns, also putting greens, tennis courts, etc.; sow 4 bu. per acre (20 lbs. per bu.) 40c. per lb., bu. \$7.00, \$32.00 per 100 lbs.

**Crested Dogtail** (*Cynosurus Cristatus*). Excellent as a pasture and lawn grass. Sow 3½ to 4 bu. per acre (21 lbs. per bu.) Price, 40c. per lb., bu. \$7.00, \$30.00 per 100 lbs.

**English, or Perennial Rye Grass** (*Lolium Perenne*). (*Pacey's Fancy Short Seeded*). This makes the quickest returns in growth of any grass; is deep rooted and is readily established. Sow 3 bu. per acre (24 lbs. per bu.) Price, 15c. per lb., per bu. \$3.00, \$11.00 per 100 lbs.

**Fine Leaved, or Slender Fescue** (*Festuca Tenuifolia*). This grass is especially valuable for dry soils; sow 3 bu. per acre (bu. 14 lbs.) 50c. per lb., bu. \$6.25, \$37.50 per 100 lbs.

**Herd, or Red Top Fancy Recleaned**. This is one of the best grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 25 lbs. per acre (32 lbs. per bu.) Price, 25c. per lb., bu. \$6.00, \$18.00 per 100 lbs.

**Herd, or Red Top Unhulled** (*Agrostis Vulgaris*). Sow 4 to 5 bu. per acre on lawns or 3 bu. on pasture lands (10 lbs. per bu.) Price, 15c. per lb., per bu. \$1.35, \$11.00 per 100 lbs.

**Hard Fescue** (*Festuca Duriuscula*). A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 3 bu. per acre (12 lbs. per bu.) 30c. per lb., bu. \$3.00, \$21.00 per 100 lbs.

**Italian Rye** (*Lolium Italicum*). Very desirable for pasture; being an annual, it comes to maturity the first season. Sow 50 lbs. per acre (18 lbs. per bu.) Price, 15c. per lb., bu. \$2.00, \$10.00 per 100 lbs.

### PRICES SUBJECT TO MARKET CHANGES

**Meadow Fescue** (*Festuca Pratensis*). Sow 40 to 50 lbs. per acre (22 lbs. per bu.) Price, 20c. per lb., bu. \$3.25, \$14.00 per 100 lbs.

**Orchard Grass** (*Dactylis Glomerata*). For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 40 lbs. per acre (12 lbs. per bu.) Price, 25c. per lb., per bu. \$2.50, \$16.00 per 100 lbs.

**Red, or Creeping Fescue** (*Festuca Rubra*). Very valuable for sowing on sandy soil and in shaded places. (14 lbs. per bu.) Price, 35c. per lb., bu. \$4.00, \$27.50 per 100 lbs.

**Rhode Island Bent** (*Agrostis Canina*). For sowing at seashore resorts, on putting greens, tennis courts, etc.; 40 lbs. per acre (14 lbs. per bu.) 40c. per lb., bu. \$4.90, \$32.00 per 100 lbs.

**Sheep's Fescue** (*Festuca Ovina*). This makes an excellent grass for sowing on lawns, fields, or pleasure grounds. Sow 40 lbs. per acre (12 lbs. per bu.) Price, 30c. per lb., bu. \$3.00, \$22.50 per 100 lbs.

**Sweet Vernal Annual** (*Anthoxanthum Odorum Puelli*). Sow 5 lbs. per acre with other grasses. Price, 25c. per lb., 5 lbs. \$1.00.

**Sweet Vernal Perennial** (*Anthoxanthum Odorum Real*). Price, 70c. per lb., 5 lbs. \$3.00.

**Tall Meadow Oat** (*Avena Elatior*). A valuable lawn and pasture grass. Extremely valuable for use in the South. Sow 5 bushels per acre (bu. 10 lbs.)

**Timothy** (*Phleum Pratense*). Sow one-half bu. per acre alone (45 lbs. per bu.) 15c. per lb. Price varies constantly; ask for quotations.

**Various Leaved Fescue** (*Festuca Heterophylla*). Thrives well in low moist soils, matures early and is very hardy; good for shaded locations. Sow 40 lbs. per acre (15 lbs. per bu.) 35c. per lb., bu. \$4.50, \$27.50 per 100 lbs.

**Wood Meadow** (*Poa Nemoralis*). The best grass for sowing under trees where a lawn is desired. Sow 30 lbs. per acre (14 lbs. per bu.) Price, 50c. per lb., bu. \$5.75, \$37.50 per 100 lbs.

Full description of all grasses listed here is given in a special Booklet entitled "The Lawn," mailed free for the asking.

See reverse side of this page and opposite same for a complete list of Michell's Grass Seed Mixtures.



## Headquarters for **SEED WHEAT**

Prices subject to market changes.

Our seed wheat is grown for us on contract, will be found strictly **AI** in every respect; samples and quotations on large lots gladly submitted on request. **Sow 1½ to 2 bushels per acre** (except where noted).

### "NEW WHEAT MIRACLE"

This valuable Wheat was introduced by us in the vicinity of Philadelphia in 1911. For a time we were sceptical as to whether it would make good all its introducer's claims. We decided then to keep track of parties to whom we shipped it and learn, without a single exception, that it is all we represented it to be. It produces a magnificent, heavy growth of straw, which is very stiff and erect. The head is bearded and contains well-shaped wheat berries of a semi-hard red nature of excellent milling qualities. **It is a tremendous stooler, one grain producing as many as 25 stalks with often 45 grains to the head or stalk.** It is readily seen that this wheat should produce on average conditions an enormous crop, its usual rating being anywhere from 40 to 50 bushels per acre under average conditions. The introducer impresses upon us very forcibly **not to recommend the sowing of more than one-half bushel per acre**, as if seeded heavier it is liable to choke itself, on account of its free stooling habit. We have received numerous reports from parties whom we supplied last year and every one is very enthusiastic over this variety, stating that it comes up to every claim made for it. **This is a truly wonderful wheat**, and bids in a short time to become a great favorite. It is early to mature, and produces straw often 5 feet high.

Price for choice re-cleaned seed: ½ peck, 40c.; 75c. peck; bushel, \$2.50.

### OTHER VARIETIES CHOICE SEED WHEAT

**Dietz Longberry (Bearded).** One of our best hard red wheats; straw very stiff and a tall grower; for milling, this variety is largely in demand, as it makes the finest flour. Peck, 60c.; \$2.00 per bushel.

**Fultz (Bald.)** The straw of this sort is very stiff; a big yielder of the latter as well as of grain. Peck, 60c.; \$2.00 per bushel.

**Fultz-Mediterranean.** A hybrid variety, producing both bearded and bald heads; it is a cross between Fultz and Red Mediterranean, combining the excellent straw qualities of the former and the milling qualities of the latter. It is a semi-hard grained variety. Our seed of this variety is grown by the originator. Peck, 60c.; \$2.00 per bushel.

**Jones Winter Fife (Bald).** A variety similar to "Fultz," over which it is supposed to be an improvement. The grain is light colored; the straw is long and very stiff. Peck, 60c.; \$2.00 per bushel.

**Lancaster Red (Bearded).** A variety extensively grown in the county which name it bears. The berry has quite a reddish cast and is a heavy producer. The straw is very stiff and stands the attack of storms better than any other kind. Peck, 60c.; \$2.00 per bushel.

**NEW WHEAT "MIRACLE"**

The above stalk produced from a single seed

Choice Timothy Seed, see back of color plate, opposite page 58.



# 62 MICHELL'S RECLEANED ALFALFA

This crop is playing an important part in the American farms today. Those who in the beginning planted Alfalfa on a small scale are rapidly increasing their acreage thereof.

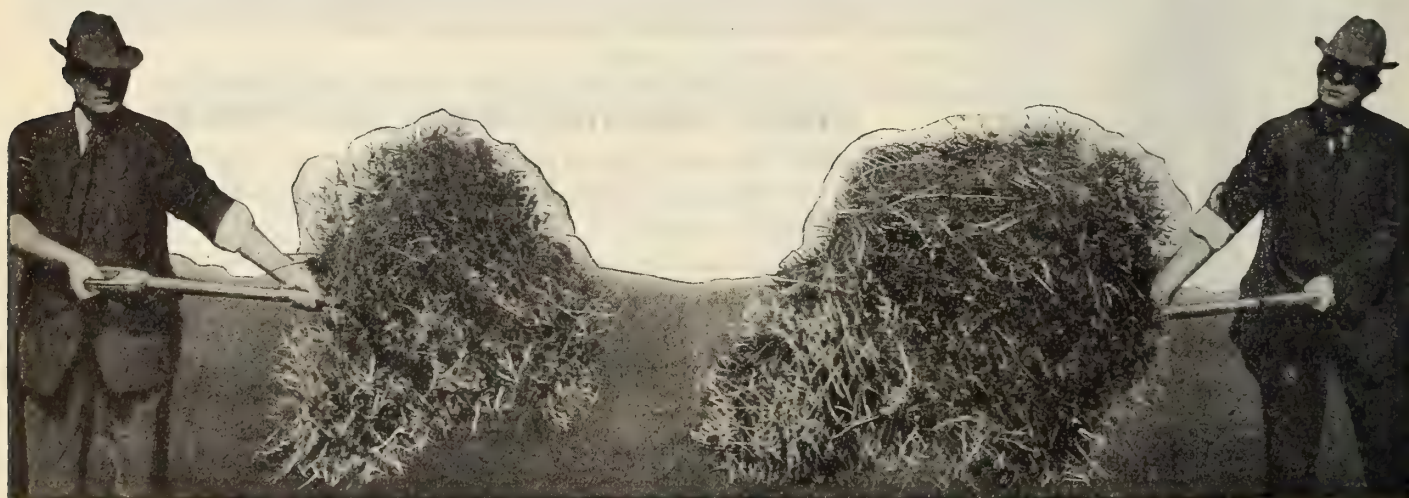
There is no other farm crop of the same nutritive qualities that we know of. One can cut three times a year, and this is possible most everywhere the second year after planting.

Stock of all kinds relish it, either green or in a cured state, and from an established field it is not uncommon to harvest an average crop of six tons per acre a season. The first year after sowing we advise not to cut more than once. After the second year, if it is desired to use the field for pasture, Alfalfa provides amply for this.

It may be sown either in May, August or September with good results. One-half bushel per acre is the amount required. At the approach of winter, of the season the seed is sown, endeavor to top dress the young Alfalfa with short, well-rotted manure (not too heavy a covering). This will encourage every growth the following spring, which will mean a liberal cutting in the autumn. In the preparation of the ground before seeding Alfalfa, care should be taken to thoroughly pulverize the soil. This should be followed with semi-weekly harrowings for 4 weeks before sowing. Be sure that there is plenty of lime incorporated in the soil and a liberal amount of well-rotted manure. The field should also be one of good, natural drainage. Our Alfalfa seed is obtained from the most reliable source. It is always over 99 per cent pure. As the price varies constantly same will be furnished on application, as well as samples. Be sure to inoculate your Alfalfa with Farmogerm.



*Cutting Alfalfa on the farm of R. Mason Lisle, Paoli, Pa.*



ALFALFA FROM A WELL PREPARED SEED BED—NO INOCULATION

ALFALFA FROM A WELL PREPARED SEED BED—INOCULATED

*It will be seen that the yield of the latter is almost double that of the uninoculated seed*

## **FARMOGERM**

**THE WONDERFUL FERTILIZER  
FOR LEGUMINOUS CROPS**

**ALFALFA AND OTHER LEGUMINOUS FARM CROPS WILL GROW MORE ABUNDANTLY**

The growth of Alfalfa and other Clovers can be materially increased with the aid of Farmogerm; in fact, with the latter Alfalfa can be made to thrive where it might not grow otherwise. This bacteria renders plants capable of extracting from the air the equivalent of 1000 to 2000 lbs. of nitrates per acre. A descriptive pamphlet as to the method of using Farmogerm is free on application, and it will pay you to get a copy today. Bacteria can be used on various legumes, but it is necessary in ordering to state for what crop it is desired.

For Alfalfa use Bacteria No. 2, put up in  $\frac{1}{4}$ -acre size, 50c.; \$2.00 for 1-acre size; 5-acre size, \$9.00; \$17.50 for 10-acre

*In ordering Farm Seeds, always allow 22 cents for each 2-bushel bag. These are returnable if prepaid at the prices charged.*



## ALFALFA (See page 62)

### CLOVERS

**Alsike or Swedish Clover** (*Trifolium Hybridum*). One of the best for mixing with timothy, it is perfectly hardy in every climate. Under ordinary conditions it grows from 1 to 2 feet high, if sown early in the spring or late summer and early autumn. It is as nutritious as red clover. The flower resembles the white clover; it is larger and has a red tinge on the edge. Sow 10 to 15 lbs. per acre alone or 8 lbs. per acre with timothy. Price, 25c. lb. Price on larger quantity on application.

**Bokhara Clover** (*Melilotus Alba*). While extensively used as a bee food, this is a valuable variety for soiling (green manure). It grows from 3 to 5 feet high, according to soil and location; can be cut as often as three times in a season if wanted for forage. Sow 15 lbs. per acre in early spring alone or 10 lbs. per acre with other crops. Price, 30c. per lb.; 10 lbs., \$2.50.

**Crimson Clover** (*Trifolium Incarnatum*). Used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers; when desired for green manure it should be allowed to mature; its height is from 1 to 2 feet. Sow any time from April to October, the earlier the better, 20 lbs. to the acre. If sown in spring it can be plowed down the first year, although no other crop can be raised on the field that season; fall or late summer seeding makes it possible to use the field the following season. Not hardy for more than one season, and must be sown each year. Price, 15c. per lb., larger quantity prices on application.

**Red Clover, Medium** (*Trifolium Pratense*). Used principally for hay purposes. Height from 18 inches to 2½ feet. Sow early in the spring or in late summer—July and August; if alone 20 lbs. per acre; if with other crops 10 lbs. per acre. A red clover field can usually be cut twice in a season. It is not hardy for a period of years, being usually resown every third season; flowers pink. Price, 25c. lb.; larger quantity, price on application.



**Crimson Clover**

**Mammoth Red Clover** (*Trifolium Pratense Perenne*). Sometimes called Sapling or Pea Vine Clover and English Cow Grass. This differs from the "Medium," being of a ranker growth and yielding more fodder per acre. It ripens somewhat later and is more hardy, lasting several seasons longer than the medium red clover. It also does well on poorer soils. Sow in early spring or August and September, using 20 lbs. per acre alone or with other crops 10 lbs. per acre. It can be harvested several times in a season. Price, 25c. per lb.; larger quantity prices on application.

**White Dutch or Lawn Clover** (*Trifolium Repens*). This is just as valuable for pasturage as it is for lawn work; it makes especially fine grazing for sheep and cows. For poor, shallow or sandy soils it succeeds where other clovers and grasses fail. Grows about 4 inches high, and is hardy under all conditions; it can be sown at all seasons; flowers greenish white. Apply 10 to 12 lbs. per acre if sown alone or 5 lbs. if sown on old turf or with other crops. Prices: ¼ lb., 15c.; 50c. lb.; 5 lbs., \$2.40; \$4.75 for 10 lbs.; bu. (60 lbs.), \$27.00; \$42.00 per 100 lbs.

### VIRGINIA GRAY WINTER OATS

Grown principally in the South, where they are hardy. They can be sown further North in the spring and produce good crops. 15c. qt.; peck, 40c.; \$1.20 bushel.

### DWARF ESSEX RAPE

For pasturing sheep and hogs. Sow 6 lbs. per acre broadcast. 10c. per lb.; 10 lbs., 90c.; \$7.00 per 100 lbs.

### WINTER RYE

**Penna. Large White.** Sow 1 to 1½ bushels per acre during fall. An excellent green food in spring, and may be used for turning under or harvesting. 10c. qt.; peck, 40c.; \$1.35 per bu.

### RECLEANED TIMOTHY

Our stock is of very best quality; for sowing among wheat as a second-year hay crop or for sowing alone for a first-year hay crop this is extensively used. Sow ½ bu. per acre alone or 6 to 8 qts. with wheat. 15c. lb. Write for price on larger quantity.

### WINTER VETCH (*Vicia Villosa*)

#### True Sand or Hairy Vetch

Used as a soil renovator or for dry or green feed in the early spring. It may be sown alone or with Winter Rye or Oats; is perfectly hardy, thriving under most adverse conditions. Is very nutritious, and live stock relish it. When sown with rye, etc., it will attain a height of 4 to 5 feet; sow ½ bushel an acre broadcast alone or with other crops. Sow early in the fall or summer, and get a good growth before cold weather sets in; 60 lbs. per bushel. 12c. per lb., larger quantity price on application.





Autumn planting of small fruits and trees generally should be practised more than what it is. In the spring every one is busy and unavoidable delays creep in. Fall plantings become established more quickly and are ready to grow at the first sign of spring weather, also meaning invariably early and larger crops. Our small fruits are grown by a specialist and will be found of extra fine quality.

### BLACKBERRIES (Extra Strong Plants)

**Eldorado.** A very vigorous grower, free from mildew or rust, enormously productive; fruit large, excellent quality, free from core. Per doz., 60c.; \$3.00 per 100.

**Erie.** Very productive; free from rust; fruit of good quality. 60c. per doz., \$3.00 per 100.

**Ohmer.** Canes hardy; fruit very large; of excellent quality, firm, with no core, and sweet before soft or fully ripe. 60c. per doz., \$3.50 per 100.

**Mersereau.** Remarkably strong grower. An enormous producer of extra size berries which are brilliant black and retain their color under all conditions; sweet, without core. Unsurpassed as a shipper and keeper. Per doz., 75c., \$4.00 per 100.

**Rathbun.** Fruit is of enormous size, single specimens measure one and three-quarters inches in length, firm and sweet, with no core. Plant is very hardy. 60c. per doz., per 100 \$3.00.

**Ward.** A new blackberry of great merit. A seedling of the Kittatinny, which it resembles somewhat. A very strong grower; it is perfectly hardy. The fruit is black throughout, very prolific and firm. 75c. per doz., \$4.00 per 100.

We can also supply all other varieties.

The above are extra strong and cannot be mailed.

### CURRENTS (Extra Strong Plants)

Currents like good rich soil. They are particularly susceptible to scale, and steps should be taken to keep them free from this by liberal spraying, when the bushes are dormant.

**Black Naples.** Fruit varies from small to large, averaging above medium; strong flavor. An old and well-known variety.

**Cherry.** Bush vigorous, stocky and compact; cluster rather short, with short stems; fruit averages large; color fine, bright red. One of the most productive of the large currents.

**Fay's Prolific.** Not quite so strong a grower as Cherry; cluster medium to long, with rather long stems; color darker than Cherry.

**North Star.** Bush very vigorous, upright, somewhat spreading; clusters medium length.

**Red Dutch.** An old and well-known standard variety; clusters average about three inches long; berries medium in size, dark red.

**Versailles (La Versailles).** Bush a vigorous, somewhat spreading grower. Very similar to Cherry in habit of growth and character of fruit.

**White Grape.** Clusters long; berries very large; of very attractive color, mild flavor and good quality.

Price, any of above varieties of currents, except where noted, strong 2-year-old, 15c. each, per doz. \$1.25, \$8.00 per 100.

The above are extra strong and cannot be mailed.

### RASPBERRIES (Extra Strong Plants)

Raspberries should be carefully staked, to get large crops. We recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the fall or early spring.

**Brilliant.** Ripens its fruit early and fast, producing bright, glossy, brilliant red berries, handsome. \$1.00 per doz., per 100 \$5.00.

**Cumberland (Blackcap).** The largest raspberry known. Selected specimens measure an inch in diameter, immensely productive. Season a little in advance of Gregg. 60c. per doz., per 100 \$3.00.

**Cuthbert.** Berries very large, measuring three inches around; conical; rich crimson. 60c. per doz., per 100 \$3.00.

**Columbian.** Fruit very large, often an inch in diameter; color dark red, bordering on purple. 75c. per doz., per 100 \$3.50.

**Gregg (Black).** Large, firm, of good quality, ripening late. Exceedingly productive. 60c. per doz., per 100 \$3.00.

**Golden Queen.** Berries are large, of beautiful bright yellow, of excellent quality; medium to late. Per doz. 75c., \$3.50 per 100.

We can also supply all other varieties.



### NEW EVERBEARING RASPBERRY "RANERE"

The term "everbearing" as applied to this sort really means a two-crop variety. It yields its first crop of berries in June, the regular season for raspberries, and then yields an equally heavy crop the latter part of August. In October it was still producing fruit of excellent quality and quantity, and the price realized for the berries was from 7 to 8 cents per pint box wholesale. It can readily be seen what a money-maker this variety is.

The fruit is large, very sweet and juicy, and is borne in great abundance. The cluster of which we show an illustration here was photographed and actually had 169 berries, ripe and unripe, on it.

It thrives equally well on sandy and heavy soil. The fruit is large, of a beautiful crimson color and does not seem to sun-scall as easily as other sorts.

We will send out strong, one-year-old cane, which, from our experience in the past, will bear the first season.

Price: \$1.00 per doz., per 100 \$6.00, \$25.00 per 500, \$40.00 per 1000.

### GOOSEBERRIES (Extra Strong)

Gooseberries should be cultivated during the growing season and fertilized with manure in the early spring or late fall. They will repay you for this trouble with an extra big crop.

**Chautauqua.** A new white gooseberry, equaling the finest and largest varieties in size. 25c. each, doz. \$2.50, \$17.50 per 100.

**Columbus.** A new yellow variety; very prolific, free from mildew; fruit larger than Industry. 25c. each, per doz. \$2.50, \$17.50 per 100.

**Downing.** Fruit medium to large, whitish green; flesh soft, juicy. Each 15c., per doz. \$1.50, per 100 \$10.00.

**Houghton.** Bush a vigorous grower, with rather slender branches; very productive. Fruit medium size, pale red, tender and good. 20c. each, per doz. \$2.00, \$12.50 per 100.

**Red Jacket.** Of American origin, possessing all the good qualities of the English type, and withstanding our severe climatic conditions with impunity. A wonderful cropper, with clean healthy foliage. 20c. each, per doz. \$2.00, \$12.50 per 100.





## GRAPE VINES

**Brighton.** Bunch large, well formed; berries above medium to large, round; excellent flavor and quality. One of the earliest in ripening.

**Campbell's Early.** A valuable and delicious grape; vine very strong, hardy and vigorous, with thick, healthy foliage; berries large, black, with light purplish bloom; skin thin; few and small seeds; flavor rich, delicious.

**Concord.** The well-known standard purple variety; succeeds wherever grapes will grow.

**Delaware.** Bunches and berries rather small; light red; very juicy.

**Green Mountain.** A very early grape of the best quality; of medium size; color, greenish white; almost melting in the mouth; vine vigorous, healthy and productive. 50c. each, per doz. \$5.00.

**Moore's Diamond.** A strong, healthy grower, hardy and productive; color, white; berries large, flesh tender, juicy, but with little pulp; ripens before Concord.

**Moore's Early.** Berry large, with heavy blue bloom. Vine exceedingly hardy; desirable for an early market.

**Niagara.** An unusually strong grower; bunches very large and compact; berries large, light greenish white, semi-transparent; has very little pulp, and is sweet to the centre.

**Pocklington.** Bunch and berries large; when fully ripe a light golden yellow. Vine thoroughly hardy, strong grower and productive.

**Vergennes.** Berries large, holding firmly to the stem; light amber; rich and delicious.

**Worden.** A beautiful, large black grape; larger, earlier and decidedly better than Concord.

**Wyoming.** Vine very hardy, healthy and robust. One of the most beautiful of the amber or red grapes, and in size nearly double that of the Delaware. Flesh tender and sweet, with a strong native aroma. Ripens before Delaware.

Prices, except where noted: **2-year-old**, 25c. each (by mail 30c. each); per doz., \$2.50.

Price of the above **3-year-old vines**, 50c. each; per doz., \$5.00. (Three-year-old Grape Vines cannot be mailed.) We strongly recommend the 3-year-old vines.

We can also supply all other varieties.

## POT GROWN STRAWBERRY PLANTS

For full description of these see our July Catalogue. Copy mailed on request.

These can be planted with splendid success in September and as late as October, and they will produce a good crop of berries next season.

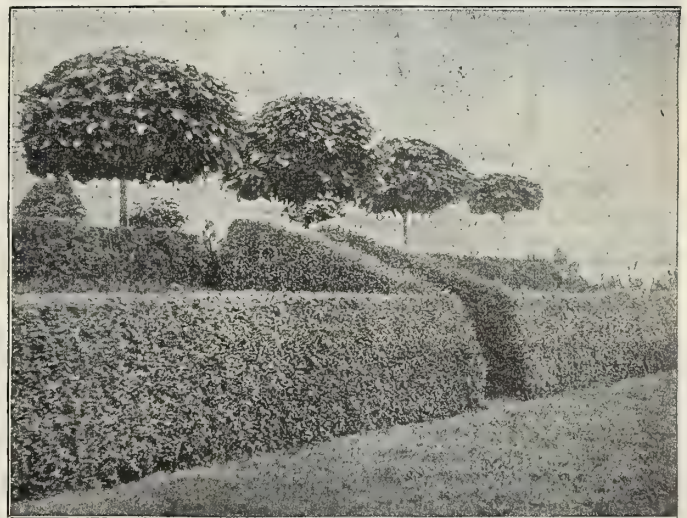
	Dozen	100	000
<b>Auto (Perfect).</b> Mid-season.....	\$0.60	\$3.50	\$30.00
<b>Abington (Perfect).</b> Early.....	.70	4.00	37.50

	Dozen	100	1000
<b>Brandywine (Perfect).</b> Late.....	\$0.60	\$3.50	\$30.00
<b>Bubach (Pistillate).</b> Mid-season.....	.60	3.50	30.00
<b>Cardinal (Perfect).</b> Mid-season.....	.60	3.50	30.00
<b>Chipman (Perfect).</b> Early.....	.70	4.00	37.50
<b>Gandy (Perfect).</b> Late.....	.60	3.50	30.00
<b>Glen Mary (Pistillate).</b> Late.....	.60	3.50	30.00
<b>Haverland (Perfect).</b> Late.....	.60	3.50	30.00
<b>Heritage (Perfect).</b> Mid-season.....	.60	3.50	30.00
<b>Marshall (Perfect).</b> Mid-season.....	.60	3.50	30.00
<b>New Home (Perfect).</b> Late.....	.70	4.00	37.50
<b>Nick Ohmer (Perfect).</b> Mid-season.....	.60	3.50	30.00
<b>Norwood (Perfect).</b> Late.....	.80	5.00	40.00
<b>President (Pistillate).</b> Mid-season.....	.60	3.50	30.00
<b>Sample (Pistillate).</b> Late.....	.60	3.50	30.00
<b>Senator Dunlap (Perfect).</b> Early.....	1.00	6.00	50.00
<b>Sharpless (Perfect).</b> Late.....	.60	3.50	30.00
<b>Steven's Late Champion (Perfect).</b> Late....	.80	5.00	40.00
<b>Success (Perfect).</b> Early.....	.60	3.50	30.00
<b>Superior.</b> Mid-season.....	.60	3.50	30.00
<b>Wm. Belt (Perfect).</b> Mid-season.....	.60	3.50	30.00

**Extra Strong Layer Plants of Strawberries ready after Oct. 1st.**

Prices: 25c. per doz. (by mail 35c.); per 100, \$1.25 (by mail, \$1.50); \$7.50 per 1000, by express not prepaid. Orders can be booked now.

We can also supply all leading varieties of **APPLES. CHERRIES. PEACHES, PEARs, PLUMS, APRICOTS, QUINCES;** also **CHESTNUT, WALNUT** and other **NUT TREES** in strong specimens at lowest prices.



A Hedge of California Privet

## HEDGE PLANTS

**California Privet.** Exceedingly beautiful; very vigorous and hardy; leaves deep green, bright and very glossy. Especially adapted for hedges at the seashore; easily transplanted.

	Doz.	100	1000
1-year-old, 18 to 24 inches high.....	\$0.60	\$3.00	\$25.00
2-year-old, 24 to 30 inches high.....	.75	4.50	40.00
2-year-old, 30 to 36 inches high.....	1.00	5.50	45.00

**Variegated Privet.** Green and yellow. Strong plants; fine for hedge or as individual lawn bushes. 25c. each; doz., \$2.50; \$17.50 per 100.

**Boxwood.** 4 to 6 inches high. \$1.00 per doz.; per 100, \$6.50; \$55.00 per 1000.

	Doz.	100	1000
<b>Berberis (Japanese Barberry).</b>			
12 to 18 inches.....	\$2.00	\$15.00	\$120.00
18 to 24 inches.....	2.75	18.00	150.00
24 to 30 inches.....	4.00	27.50	200.00

	Each	Doz.	100
<b>Althea (Rose of Sharon).</b>			
2 to 3 feet high.....	\$0.25	\$2.50	\$15.00
3 to 4 feet high.....	.40	3.50	20.00

**Rosa Rugosa.** In separate colors—White, Red and Pink. 35c. each; doz., \$3.50; \$20.00 per 100.

All Trees can be shipped via express or freight only. No Trees sent C. O. D.

(hw)



# MICHELL'S HARDY PERENNIAL PLANTS FOR AUTUMN PLANTING

Fall is one of the best times for setting out perennial plants; they invariably establish themselves quickly and more permanently than when put out in the spring, at which time the season is shorter, a greater rush exists, and the weather frequently gets hot before they have made any growth in their new environment. Autumn planting frequently means a year's difference in results obtained the following spring, which are invariably more gratifying over spring-set plants.

SHIPPING SEASON RANGES FROM SEPTEMBER TO NOVEMBER 15



*Aquilegia*

## **ACHILLEA** (Sneezewort)

A graceful plant with finely cut foliage. Flowers are fine for cutting.

**Boule de Neige** (*Ball of Snow*). An improvement on The Pearl, with a more double, full centre; flower pure white; 2 feet high.

**Ptarmica Plena, The Pearl**. Flowers borne in the greatest profusion the entire summer on strong, erect stems 2 feet high; of the purest white.

**Millefolium Cerise Queen**. Rich amaranth. An attractive combination when massed with the white variety; 18 inches high; red.

## **ACONITUM** (Monkshood or Helmet Flower)

Bushy plants growing 4 feet high and blooming in clusters of beautiful helmet-shaped flowers from late summer till frost. Well adapted for shady situations.

**Napellus Bicolor**. Dark blue and white flowers.

**Lycotomum**. Pale yellow, blooms in June and July; very free.

Price of Aconitum, 25c. each; doz., \$2.50.

## **AGROSTEMMA** (Rose Campton)

**Coronaria** (*Mullein Pink*). Tufts of silvery foliage throwing up many silver-lined stems 2 feet high, with bright single crimson flowers during June.

## **ALYSSUM** (Gold Dust or Basket of Gold)

**Saxatile Compactum**. A splendid edging plant. Silvery gray foliage which, at the end of May, is surmounted with masses of deep golden flowers. An ideal plant for rockery or special flower garden work.

## **ANCHUSA** (Sea Bugloss)

**Italica, Dropmore Variety**. Plants grow 4 feet high in pyramidal shape; branch freely and are overloaded with bright blue, forget-me-not-like flowers; from June 15th till late in fall; very showy and valuable. 25c. each; doz., \$2.50.

## **ANEMONE JAPONICA** (Wind-flower)

As a last greeting of autumn these gay flowers appear in wondrous brilliancy and produce a wealth of bloom just before nature clothes the earth with a mantle of frost.

Plants vary from 2 to 3 feet high, and are ideal for cutting; flowers in cup form appear some time in August and remain till frost. Plants require winter protection, but amply repay one for the extra trouble taken to care for them. Our stock is unusually fine.

**Alice**. While we have some good sorts in white and lavender pink, there never has been a real pink until this variety was placed on the market. The shade is brilliant, which looms up in the garden; it may be used for splendid effect as a cut flower; height, 15 inches. 25c. each; doz., \$2.50; \$15.00 per 100.

**Kriemhilde**. Semi-double, very large, lovely rose pink; fine for cutting. 25c. each; doz., \$2.50.

**Whirlwind**. Large semi-double, pure white.

**Prince Henry**. Deep rich pink double flowers.

**Alba**. Large, pure white.

**Rubra**. Rich rosy red.

## **AQUILEGIA** (Columbine)

For spring flowers they are invaluable, producing their graceful spurred flowers on stems rising 2 feet over their elegant foliage. For rockery gardens, semi-shaded places, in hardy borders, or planted in clumps, they look effective, a variety of them making a beautiful attraction.

**Chrysantha**. Bright yellow, long flowers.

**Coerulea**. Blue and white, long spurred.

**Chrysantha Alba**. Pure white, long spurred.

**Canadensis**. Bright red and yellow.

**Flabellata Nana Alba**. Dwarf, pure white.

**Rose Queen**. A newer variety of a pleasing shade of delicate pink, long spurred flowers.

**Helenae**. A very large, blue flowering sort, with pure white spurs.

**Long Spurred Hybrids (Mixed Colors)**. A grand mixture of finest varieties, including every color in Columbines.



*Anemone Japonica*

## **ARABIS** (Rock Cress)

Dwarf bushy plants six inches high; ideal for rockeries and borders. It remains in flower a long while, presenting a perfect carpet of bloom. Nice as a cut flower.

**Alpina**. Single snowy-white flowers.

**Fl. Pl.** Double white, very showy.

## **ARMERIA** (Sea Pink or Thrift)

**Maritima**. Attractive dwarf plants, forming evergreen tufts from which numerous rosy pink flowers grow in dense heads on stiff stems 9 inches high, flowering continuously from spring until late in the fall.

## **ARTEMISIA**

**Lactiflora**. An excellent perennial with flower stems three to four feet long, covered with creamy white flowers; especially desirable as a late summer blooming plant, as it commences in August and lasts well into September. A planting of these mingled with colored perennials makes a grand sight, as the plant is a mass of flowers. 25c. each; doz., \$2.50.

## **ASCLEPIAS** (Butterfly Weed)

**Tuberosa**. A showy plant, 2 feet high, with large heads or clusters of orange flowers blooming in July and August. The bright color is quite a contrast to white and other flowers when planted in the hardy border; fine for cutting.

Prices of all Perennials on this page, except where noted, 15c. each; per dozen, \$1.50; \$10.00 per 100 Plants travel best by express. No Plants sent C. O. D.



# MICHELL'S HARDY PERENNIAL PLANTS FOR AUTUMN PLANTING



*Hardy Aster*

## HARDY ASTER (*Michaelmas Daisy*)

Tall-flowering, stately plants, which may be used with splendid effect in borders and as specimens in lawns, in large groups or beds. For cutting they are invaluable. The wide range of color, variety of flower, make this one of our finest summer and autumn flowering perennials.

**Amellus, Perry's Favorite.** In size and brilliancy this equals the *Beaute Parfait*. The color is a pleasing bright pink and a distinct choice variety. 25c. each; doz., \$2.50.

**Amethystinus.** Beautiful amethyst blue; very rich and showy. 25c. each; doz., \$2.50.

**Amellus Beaute Parfait.** One of the best of the *Amellus* section, exceeding all others in size of flower and beauty of color, which is an unusually fine dark shade of violet. 25c. each; doz., \$2.50.

**Beauty of Colwall.** A grand double-flowering type of a beautiful lavender shade; height, about 4 feet. 25c. each; doz., \$2.50.

**Sub-Coeruleus.** A dense-growing variety, producing a multitude of flowers in June and July;  $2\frac{1}{2}$  to 3 inches in diameter, on stems about 18 inches; a fine cut-flower sort.

**Novae Angliae Rubra.** Tall growing, with large rosy purple flowers; 4 feet high.

**Novae Belgii Fairfield.** Very tall, often 5 feet; the flowers have fine, narrow petals and are pure white.

**Parmacoides Major.** Pure white, large flowering; 2 feet high.

**Robert Parker.** Fine lavender blue, with yellow centre; very tall.

## ASTER—Continued

**St. Egwin.** One of the finest; very densely branched; flowers pink and in great profusion; 3 feet high. 25c. each; doz., \$2.50.

**St. Egwin.** A novelty of recent introduction, and is one of the finest hardy Asters in cultivation. Densely branched, producing beautiful pink flowers in great profusion. 25c. each; doz., \$2.50.

**White Queen.** Tall growing; pure white; very fine; 4 feet high.

**Wm. Marshall.** Large, handsome, soft clear blue, borne in great profusion; it is one of the best varieties; height, about 4 feet.

## AURICULA (*Hardy Primula*)

A beautiful early spring flower, resembling a Cowslip; a favorite in all old-fashioned gardens.

**Mixed Colors.** A grand combination of all shades.

## BOCCONIA (*Plume Poppy or Tree Celandine*)

**Cordata.** A splendid plant, 8 feet high, bearing panicles of creamy white flowers, which bloom in July and August; makes a grand effect as a centre in a hardy bed or a border background.

## BOLTONIA (*False Chamomile*)

Tall-growing, showy plants, with aster-like flowers appearing in September; 5 to 7 feet. They resemble somewhat hardy asters.

**Asteroides.** Pure white; 5 to 6 feet.

**Latisquama.** Pink, tinted lavender; 6 feet.

**Nana.** Pink, tinted lavender; only 2 feet high.

## CALLIRHOE (*Poppy Mallow*)

**Involucrata.** Of dwarf trailing habit, with large crimson flowers with white centre, much resembling a giant mallow or *Hibiscus*, which bloom all summer until late in fall; the foliage is also attractive.

## CAMPANULA (*Bell Flower*)

Showy perennial plants of special merits; some are tall, suitable as effective borders; others are dwarf, for rockeries and edges. In every well-ordered hardy garden Campanulas should have a prominent place. Indeed, there are few perennials that can rival with these in beauty and effect. They delight in a good, rich loam, preferring a semi-shaded place. The taller varieties should be carefully staked, to prevent them from being broken during windstorms. We offer below several classes of Campanulas, so their use can be made to cover various purposes. If the flowers of Campanulas are cut as they fade, it greatly prolongs the blooming period.

**Alliariaefolia.** Graceful stems of white flowers, blooming in July; 3 feet high.

**Calycanthemum (*Cup and Saucer*).** These are biennials, and last only one season when planted in the autumn; Pink, White and Blue, each color separate; height, 18 inches; blooming in June and July. 20c. each; doz., \$2.00.

## CAMPANULA—Continued

**Carpatia (*Carpathian Hare Bell*).** Very dwarf and shrubby; ideal for border or rockery planting, being about 8 inches high; flowers from June till frost. Blue and White, each separate.

**Glomerata (*Cluster Bell Flower*).** Densely decked stamens of violet-colored flowers appearing in July and August; height, 20 inches.

**Lactiflora.** Bluish white; spikes 2 feet long. 25c. each; doz., \$2.50.

**Media (*Old-fashioned Canterbury Bells*).** This is a biennial type, like the *Calycanthemum*, and will last only one season when planted in the autumn. It flowers freely in June, July and August, and grows 3 to 4 feet high. Blue, Pink and White in separate colors; also in Mixed colors.

**Pyramidalis (*Chimney Bell Flower*).** A striking variety, pyramidal-shaped plant; the stalk, 4 to 6 feet high, is completely covered with flowers in June and July. Blue and White, each separate, 25c. each; doz., \$2.50.

**Persicifolia (*Peach Bell*).** This is the extremely hardy sort, which makes a splendid show in June, July and August. The stately spikes are tall, often 3 feet high, and present a grand appearance. The flowers are upright and rather bell shaped, with irregular edge.

**Alba.** Pure white.

**Coerulea.** Light blue.

**Humosa.** Light blue; semi-double. 25c. each; doz., \$2.50.

**Moerheimi.** Pure white; semi-double. 25c. each; doz., \$2.50.

**Trachelium (*Coventry Bells*).** Purple flowers June and July; 3 feet high.

**White Star.** Pure white; June and July.



*Campanula*

Prices of all Perennials on this page, except where noted, 15c. each; per dozen, \$1.50; \$10.00 per 100  
Plants ship best by express or freight. None shipped C. O. D.



# Michell's Hardy Chrysanthemum Plants

No class of perennial Flowering Plants add such a wealth of color and bloom to the garden as these. The plants are literally covered with flowers, and if an assortment is planted, comprised of early, medium and late kinds, they will produce a mass of flowers from middle of September till the snow buries the plant. When set among shrubbery, along garden walks or in large beds by themselves, they are a rich attraction. The fine varied shades of pink, red, orange and yellow are especially showy. They ought to be planted liberally, as they increase in size and beauty each year. Plants of these set out in our grandmothers' time are in evidence to-day. In the autumn we furnish these in either large field clumps or pot plants, according to the time the order reaches us. While the variety is greater than the list we offer, our collection is made up from the best sorts, all undesirable ones (after testing) having been discarded. The letter preceding the name indicates the type of flowers, as explained as follows:

- S. Small or Pompon type.
- Sg. Single flowering.
- L. Large flowering.
- A. Anemone flowering.

## BRONZE VARIETIES

- Sg. **Aaron.** Handsome bronze scarlet; very free.
- S. **Jeannetta.** Bright silvery bronze; very showy.
- L. **Sylvia.** Bronze-scarlet; a tall, graceful plant, literally covered with flowers; one of the best in its class.
- L. **Barney.** Bronze-yellow; large, full flowers; very free.

## PINK VARIETIES

- S. **Cerise Queen.** Bright cerise; fine for cutting.
- L. **Elkton.** Light pink; very large, full flower.
- L. **Findon.** Rich violet rose; very free.
- L. **Pink Beauty.** This variety we discovered among a batch of seedlings sent us for trial without name. Its beauty and magnificence impressed us so that we feel the name given it does not overestimate its valuable qualities.
- L. **Hero.** Splendid double, large-flowered variety, of a clear pink color.

## RED AND SCARLET VARIETIES

- L. **Dundee.** Very dark red; full perfect flower.
- L. **Scarlet Beauty.** Another meritorious variety selected from a patch of seedlings. The color is rich bronzy red.



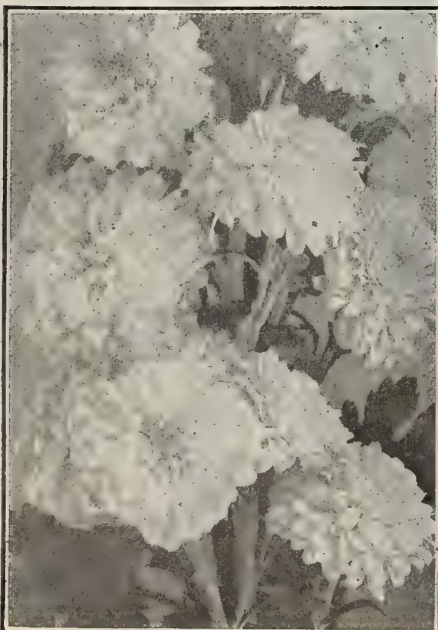
Hardy Chrysanthemum "Susquehanna"

## WHITE VARIETIES

- L. **Irene.** White, with a slight shade of pink.
- L. **Lady Naylor.** Rich pure white; extra large.
- L. **Queen of Whites.** Blush or creamy white; fine flower.
- L. **St. Elmo.** Extra fine; large, pure white.
- L. **White Beauty.** The origin and character is described in Pink Beauty, except for color.
- A. **Myers' Perfection.** This is one of the anemone or semi-double flowering type. It makes a tall graceful plant and is very free flowering. For cutting, few varieties equal it.
- L. **Louisa.** Very large, on long stems.

## YELLOW VARIETIES

- L. **Excelsior.** Light orange-yellow; very rich.
- L. **Windlass.** Fine golden orange; very large.
- L. **Daisy Anderson.** Large, golden yellow; one of the best of its color. Free flowering; splendid sort.
- S. **Eldorado.** Small-flowering variety, of a beautiful deep yellow color. Very free flowering.
- L. **Sunshine.** Magnificent stately variety, of a deep golden yellow color. Should be in every collection, as it is really a jewel.
- L. **Susquehanna.** Large yellow, splendid variety; very free.
- L. **Rebecca.** Double, orange-yellow; very desirable.



Hardy Chrysanthemum "Hero"

**SPECIAL NOTE.**—Save years of waiting for results by planting these extra large clumps of Hardy Chrysanthemums. 35c. each; doz., \$3.50; \$25.00 per 100.

Small Plants ready April 1st, 1914. 15c. each; doz., \$1.25; \$8.00 per 100.

Plants ship best by express or freight. None shipped C. O. D.



# MICHELL'S HARDY PERENNIAL PLANTS FOR AUTUMN PLANTING



*Hardy Carnation "Delicata"*

## HARDY CARNATIONS

For rockeries or borders. They are deliciously fragrant, resembling cloves; for cut flowers they are especially valuable; flowering in June. The varieties offered below are improvements over the old-fashioned garden carnation, and must not be compared with garden pinks; they are far more desirable, some sorts rivaling almost with the indoor carnation.

**Her Majesty.** Purest white.

**Carmen.** Light pink; highly scented.

**Lord Lyon.** Deep pink; very large.

**White Reserve.** Flowers during the whole summer; pure white.

**Semperflorens.** Mixed, all colors.

**Delicata.** Flowers of exceptionally large size of a delicate soft pink color on very long stems. 35c. each; per doz., \$3.50.

## CENTAUREA (Perennial Cornflower)

Fine border plants, producing flowers suitable for cutting; these are quite large, and a bunch makes an attractive display; 2 feet high; flowering from July to September.

**Montana.** Rich violet blue.

" **Alba.** Pure white.

## COREOPSIS

**Lanceolata Grandiflora.** Flowers rich golden yellow of graceful form and fine for cutting. A few plants make a handsome display either planted individually or in clumps; the flowers are produced by the thousand on a single plant, and where quantity and quality are wanted Coreopsis should be planted. Flowers June till October; height, about 3 feet.

## DAISY (*Bellis Perennis*)

The English Daisy is one of the first of the spring flowers; the plants are set out in the autumn, and flower at the first spell of warmth. Planted among Roses they produce a show in a place that would otherwise have a dead appearance. A combination of these with Myosotis and Pansies produce a rare treat in early spring flowers. They make a similar effect planted among late Tulips, covering the bare ground between the bulbs very effectively. We grow the Giant flowering strain.

**Monstrosa White, Monstrosa Pink,** each color separate. \$1.00 per dozen; per 100, \$6.00.

## DELPHINIUMS (*Hardy Larkspur*)

There is no more stately flower than the hardy larkspur, succeeding so well in all kinds of soils and under the most trying conditions. Its wealth of bloom appears in June, July and early August. If cut down immediately afterwards it will send up new shoots, which flower uninterruptedly from the end of August till November.

Our stock of these is unusually fine, consisting of many varieties of large field-grown plants, which will make handsome shows next spring. With a little special treatment Delphiniums will reward one with extra blooms. The ground should be of a well-drained character and plenty of Bone Fertilizer should be incorporated therein. Animal manures should not be used in Delphinium planting, as they introduce a white grub which can cause great damage to the plants. During the growing season an occasional application of Bone Meal will insure a wealth of autumn flowers. The tall-growing varieties should be carefully staked, to prevent them breaking off during wind-storms.

**Belladonna.** One of the older varieties of a continuous flowering habit, appearing uninterruptedly from June until frost. Brilliant blue flowers are decked on long stems and produce a beautiful show. 25c. each; dozen, \$2.50.

**Belladonna Semi-Plena.** This is one of the finest light blue larkspurs. The flowers, which are semi-double, are of gigantic size. Long stalks stand out above other perennials in a hardy border planting. All Delphinium lovers should have some of this sort in their collection. 50c. each; \$5.00 per dozen.

**Chinense Azureum.** A variety with fine cut foliage, with intense blue open flowers. Is one of the old garden favorites.

**Chinense Album.** This is exactly like the above variety, except for the color, which is white.

**Elatum.** This is the old-fashioned "Bee Larkspur," bearing light blue flowers on medium-length stalk.

**Formosum.** Rich dark blue, each flower having a white centre. This is a variety doing well everywhere, being exceptionally hardy, and increases in size and beauty each year.



*Delphinium Belladonna*

## DELPHINIUM—Continued

**Formosum Coelestinum.** The florets are very large, and appear in great numbers on stalks frequently 3 to 4 feet long. The color is azure blue.

**Moerheimi.** The first and only real pure white hardy larkspur. It grows 3 to 4 feet high, and flowers continuously from June until autumn, and produces more spikes on a single plant than any other variety. The side stems themselves are often over two feet long. These qualities make it one of the best varieties for cutting. One can hardly imagine a prettier effect than large clumps of this white Delphinium intermixed with the rich shades of blue of the other sorts. 50c. each; doz., \$5.00.

**Kelways' Hybrids.** These were grown from seed procured from Messrs. Kelway & Sons, of Longport, England, who are probably the most celebrated Larkspur specialists in the world. The mixture contains some of the finest named sorts, the rich shades of blue predominating. A planting of these will make an effect hard to describe on paper.

**Note.**—This year we have greatly increased our facilities for producing perennial plants. Our collection has been greatly improved, and customers in this department will be pleased with the quality we will furnish them.

## Testimonial

*Fairmont, W. Va.*

*The herbaceous perennials were fine, husky specimens. Thanks for the good quality.*

*ALEX. MacELWEE.*

*Supt. to Hon. C. W. Watson.*

Prices of all Perennials on this page, except where noted 15 cents each; doz. \$1.50; \$10.00 per 100  
Plants ship best by express or freight. None shipped C. O. D.



# MICHELL'S HARDY PERENNIAL PLANTS FOR AUTUMN PLANTING



*Dianthus*

## DIANTHUS (Garden Pinks)

These occupy a unique place in every perennial collection. They are brilliantly colored flowers, which appear in great numbers on the plant, and have a rich clove scent. For table bowls, as a cut flower, they are much in use. For edging, hardy borders, garden walks or planted in rock gardens they fill an important place. The plants increase yearly in size and beauty. They are at their height of bloom in June.

**Deltoides** (*Maiden Pink*). A continuous flowering variety with pink flowers. Especially suited for rock work.

**Latifolius Atrococcineus Fl. Pl.** (*Ever-blooming Hybrid Sweet William*.) A splendid variety with brilliant crimson double flowers. Flowers continuously during the entire season. Especially adapted for bedding.

## DICTAMNUS (Gas Plant)

One of the hardiest of all perennials, which often will last for a generation and longer. The foliage is fragrant, while the spikes of rather oddly shaped flowers emit a luminous vapor, which is said to be inflammable. Height, about 2 feet.

**Fraxinella.** Rose pink flowers with dark veins.

**Fraxinella Alba.** Pure white.

## DIELYTRA (Bleeding Heart)

One of the most beautiful border and shrubby plants, with graceful, fern-like foliage and attractive heart-shaped pink and white flowers. (See also page 27.) 25c. each; dozen, \$2.00; \$12.50 per 100.

## DIGITALIS (Foxglove)

These showy plants are but biennials (that is, live outdoors for two seasons), but can be made perennial by the following treatment: Immediately after blooming remove the flower stalk right down to the ground, also crop some of the large leaves; the result is a number of new plants start from the old crown, which produce splendid flowers the second year. *Digitalis* will do well in semi-shady spots; spikes grow from 4 to 6 feet high; flower in June. They are especially attractive when planted in rows as a background for a perennial border.

**Gloxiniaeflora** White.

" Pink.

" Blue or Purple.

" Mixed. All colors.

**Grandiflora** Yellow.

**Monstrosa.** Giant flowering type. All colors mixed.

## DORONICUM (Leopards Bane)

This flowers very early in the spring; about 2 feet high. Is most effective when planted in masses. The plants can be taken up in the fall if desired (although they are perfectly hardy) and be made to bloom indoors. It is a fine cut flower, closing towards the end of the day and opening up each morning. It is extremely hardy and does well in most any location. Flowers June and July.

**Excelsum.** Rich orange yellow; 3 to 4 inches across.

## ECHINOPS (Globe Thistle)

The flower heads are globe shaped, of a thistle-like nature. It might be considered an everlasting, as when cut it remains in a preserved state for a long while. Flowers from July to September.

**Ritro.** Deep blue flowers; 3 feet high. 25c. each; dozen, \$2.50.

## EDELWEISS (Gnaphalium)

This is the favorite Alpine plant of the Swiss Mountains, and is found growing in abundance everywhere on the Alps. The plant is dwarf, about 4 inches high, with gray foliage, which lies close to the ground, is surmounted with stalks of grayish white, fuzzy flowers of a trilobed appearance. The flowers may be cut as an everlasting, and they will keep indefinitely. This is a splendid plant for a rock garden. 25c. each; dozen, \$2.50.

## ERYNGIUM (Sea Holly)

An ornamental plant, 2 to 3 feet high. Especially valuable for shaded locations or wild garden effects. The flower may be cut and dried for winter bouquets, for which purpose they will last a long time.

**Planum.** Light blue.

## EUPATORIUM

This is an effective plant, which produces fuzzy-like flower heads, much resembling *Ageratum*. Appearing in August and September. It is fine for cutting, growing from 2 to 2½ feet high.

**Fraseri.** Creamy white.



*Funkia*

## FUNKIA (Plantain or Day Lily)

These attractive plants, even when not in bloom, make fine effects. Nothing is more handsome in a garden border or a hardy bed; edged with dwarf green and variegated foliage of the *Media Picta* variety. In July and August plants throw up a mass of flower spikes varied in color according to the variety offered below. If you have a shaded spot which you want to make real attractive plant some *Funkias*. The height varies from 6 to 10 inches, according to the variety.

**Undulata Media Picta.** Green foliage, with distinct white markings. Lavender blue flowers. This is the best of the edging varieties.

**Subcordata Grandiflora.** This is a large loose-growing variety, with large, light green leaves and pure white flowers, which are deliciously fragrant.

**Coerulea.** Dark green foliage, light blue flowers.

## GALEGA (Goat's Rue)

The flowers, which resemble a pea blossom, are borne on long racemes in great abundance. It flowers from July until September, with an average height of about 2 feet.

**Hartlandii.** The best of the *Galegas*. Large, handsome blue and white flowers and variegated foliage.

## GERANIUM (Cranes Bill)

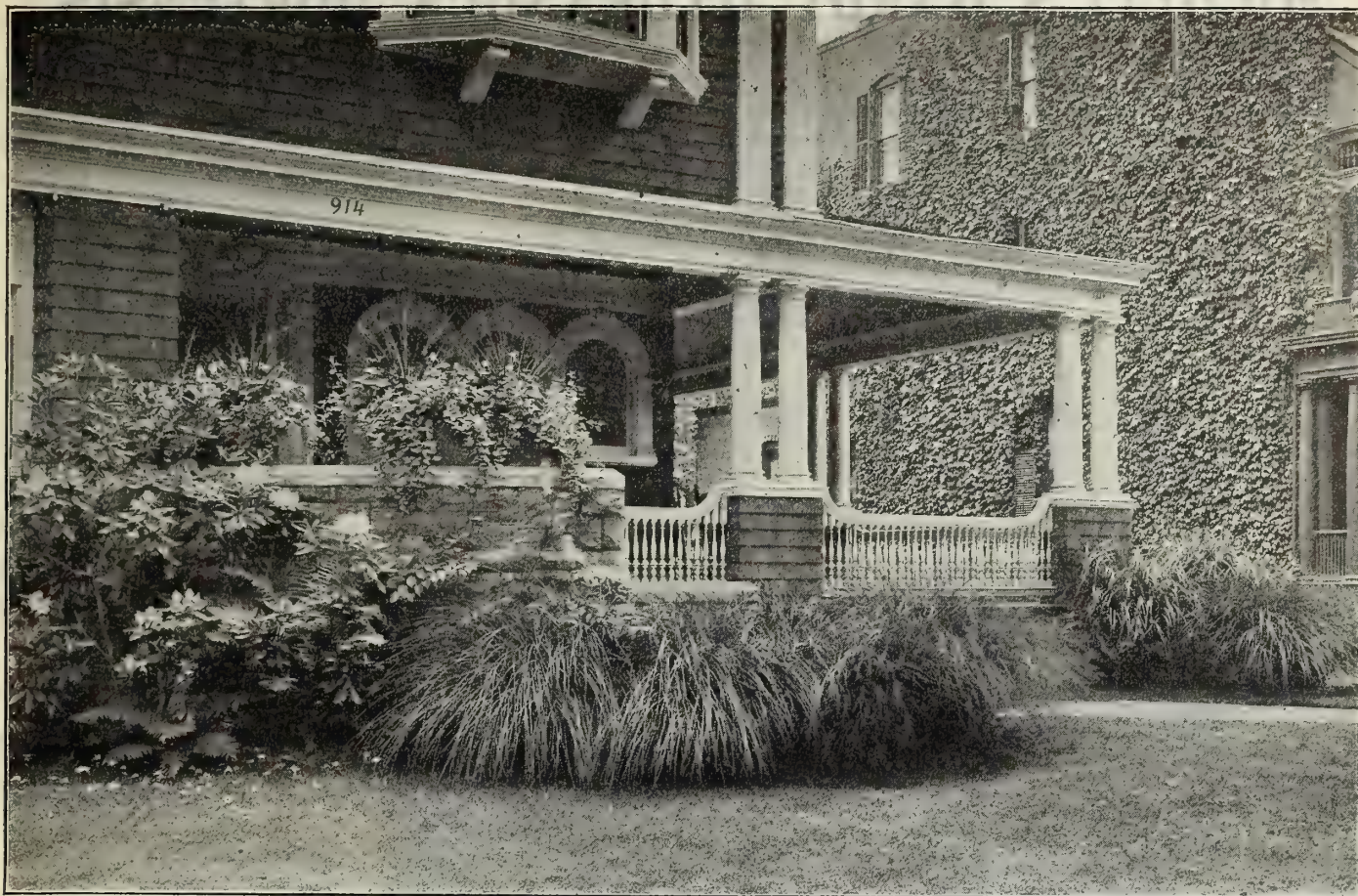
These hardy types of *Geranium* are very useful for borders and rockeries. They grow about 1 foot high, and thrive best in well-drained soil. They flower from July until October.

**Grandiflora.** Pale lilac blue; 12 inches.

**Endressi.** Light rose, with dark centre.

Prices of all Perennials on this page, except where noted, 15c. each; per dozen, \$1.50; \$10.00 per 100 Plants ship best by express or freight. None shipped C. O. D.





A charming effect. Hardy Ornamental Grasses and Hardy Ferns planted in groups.

## HARDY FERNS

Many persons are perplexed to know what is best suited for planting in densely shaded borders, particularly around porches. Nothing in the world produces such a permanent and satisfactory effect as Ferns. The graceful plants grow on an average from 1 to 2 feet high, according to the variety, and the clumps increase in size and beauty each year. They die down in the winter and break forth again in May. They require absolutely no attention after they are planted. In the variety at command very interesting plantings and effects can be made.

Hardy Ferns play an important part in every flower garden. If you want a fine effect in the rockery, to break the monotony, plant some hardy Ferns. We do not recommend planting these in the full sun exposure.

- Adiantum Pedatum** (*Hardy Maiden Hair Fern*). Height 12 inches.
- Aspidium Acrostichoides** (*Wood Fern*). Height 15 inches.
- Asplenium Felix-foemina**. Height 12 to 15 inches.
- Dicksonia Punctilobula** (*Gossamer Fern*). Height 24 inches.
- Lastrea Dilatata**. Height 24 inches.
- Osmunda Claytonia** (*Flowering Fern*). Height 24 inches.
- Osmunda Regalis** (*Royal Fern*). Height 24 inches.
- Scolopendrium Vulgaris**. Beautiful crested fronds. Height 12 inches.

Extra strong pot-grown plants of Hardy Ferns, 25c. each; dozen, \$2.50; \$17.50 per 100.

## ORNAMENTAL HARDY GRASSES

The generous beautiful effect produced by the hardy Grasses is hard to describe. Plantings must be seen to be appreciated. The best results are attained if planted as individual specimens on the lawn or in large beds. They should not be placed in conjunction with other perennials, being a class by themselves. A variety of sorts planted together, in accordance with the height, makes the best show, in fact, better than plantings of one kind placed alone.

**Arundo Donax** (*Giant Reed*). Tall variety with bluish-green foliage, frequently attaining a height of 20 feet.

**Erianthus Ravennae** (*Plume Grass or Hardy Pampas*). Deep green narrow foliage, growing about 10 feet high.

**Eulalia Gracillima Univittata** (*Japan Rush*). Graceful narrow foliage, growing 5 to 6 feet high. Bright green with a silvery rib.

**Eulalia Japonica Variegata**. An attractive kind with a variation of markings of white, green, sometimes light pink and yellow; 4 to 5 feet high.

**Eulalia Japonica Zebrina**. Dark green foliage, is crossmarked horizontally a golden yellow. It is one of the best of hardy Grasses for effect. 4 to 5 feet high.

**Gynierium Argenteum** (*Pampas Grass*). This variety in severe climates requires light protection in winter. The silvery flower plumes are indeed handsome. It varies in height from 7 to 10 feet.

**Phalaris Arundinacea Variegata** (*Variegated Ribbon Grass or Gardener's Garter*). This sort is especially suited for edging taller varieties, as it grows somewhat dwarf. The foliage is somewhat broad, variegated white and green. 15c. each; \$1.50 per dozen; per 100, \$10.00.

**Pennisetum Japonicum** (*Hardy Fountain Grass*). One of the most valuable hardy Grasses, either for beds, mixed borders or as individual specimens. Height 4 feet.

**Stipa Pennata** (*Feather Grass*). Splendid for borders. Flowers are of a delicate white and have a feathery appearance. Height 2 feet.

Strong plants of the above hardy Grasses, except where noted, 25c. each; dozen, \$2.50; \$15.00 per 100.

Stronger clumps for immediate effects, 50c. each; dozen, \$5.00; \$30.00 per 100.



# MICHELL'S HARDY HYDRANGEA HORTENSIS

This class of Hydrangea is the one which is seen planted so extensively at the North Atlantic seashore and inland resorts. It seems to do especially well in these localities. It has been the general opinion that the plant is not hardy, but in many places it is not afforded even the slightest protection, although we recommend that care be taken, especially the first few years after planting, to protect them over winter with a covering of manure or other suitable litter, as this will protect the flower buds, which are often injured in severe winters, although the plants otherwise do not suffer. If winter protection is used, same should not be removed until all danger of frost is over, otherwise the tender shoots are nipped in the cold nights of early spring, and few flowers are the result. The pink and blue types often change their color; for instance, the variety Empress Eugenie, classed as blue, will sometimes turn out pink, and the variety Otaksa vice versa. This, however, is infrequent, and when the type is fixed it usually remains so. If, however, it is desired to change pink Hydrangea blue, and the latter pink, this can be usually accomplished by incor-

porating into the soil a few handfuls of soot or iron filings. If this is not obtainable, lump alum, broken into small pieces and incorporated into the soil, about  $\frac{1}{4}$  lb. to each plant, will usually produce the same results. This class of Hydrangeas is best planted around verandas for fine effects. They can also be set in tubs for wall, coping or lawn decoration. If used in the latter way the plants should be taken in in the winter to a frost-proof cellar and occasionally given some water. They may be set out again, in the latitude of Philadelphia, about the first week in April. We have added considerably to our list this year, and offer below an up-to-date selection. **Special Note:** This class of Hydrangeas in the summertime should be watered liberally every day when there is no rain. An application of Cow Manure, Sheep Manure or Bone Meal will greatly increase the flowering qualities.

**Avalanche.** Large heads; pure white flowers, produced in great numbers.

**Botaniste Peltreau.** Fringed flowers of gigantic size, of a brilliant lavender-pink color.

**Bouquet Rose.** Very large flower heads of a uniform shape. When first opened the flower is a shade of amber, which later turns to a brighter pink.

**Madame Maurice Hamar.** Large trusses of a delicate flesh-pink shade.

**Monsieur G. Renault.** Very free flowering type, blooming somewhat earlier than the rest. The flower has a slight reflex of carmine, while the body of the bloom is rich pink.

**Mme. Emile Moulliere.** This is the best of the newer kinds, bearing gigantic trusses with immense florets, the latter being often 2 inches in diameter. Pure white, with a rich carmine eye.

**Radiant.** Brilliant rose pink, much brighter and showier than others of the same color.

**Souvenir de Mme. Chautard.** Of dwarf, compact habit, with brilliant rose-colored flower trusses.

**Price** of any of the above eight newer varieties in strong plants, which should bloom next year, 50c. each; dozen, \$5.00.

**Large plants**, \$1.00 each; dozen, \$10.00.

**Otaksa.** This is the original pink-flowering Hortensis type from which many of the newer kinds originated. For general satisfaction it is still in the foreground, and we cannot recommend it too highly. It is a delicate soft pink.

**Empress Eugenie.** This is very similar to the Otaksa type, except for color, which generally is a purplish blue.

The above two sorts in **strong, thrifty plants**, which should bloom next year, 50c. each; dozen, \$5.00.

**Large plants**, \$1.00 each; dozen, \$10.00.

**Extra large plants**, \$1.50 each; dozen, \$15.00.



*Hydrangea Mme. Emile Moulliere*

This class of Hydrangea is also very suitable for forcing.

*Plant Hydrangeas in Autumn* for fine effects next summer,

See also page 79 for other Hydrangeas



# MICHELL'S HARDY PERENNIAL PLANTS FOR AUTUMN PLANTING



*Gaillardia*

## **GAILLARDIA** (Blanket Flower)

Gaillardias are one of the most useful of the hardy flowers. When planted in clumps, beautiful flowers are borne in profusion and make a striking effect. They last a long while as a cut flower, and are abundant from June until frost. Height, about 2 feet.

**Grandiflora.** Dark brown centre, petals on the outer edge are yellow, and the centre is surrounded with a rich orange disk.

## **GEUM** (Avens)

Bright, showy flowers, which appear in great abundance in the early summer and fall, growing about 18 inches high. Attractive in border plantings.

**Coccineum.** Brilliant rich scarlet.

## **GYPSOPHILA** (Baby's Breath)

This very graceful plant is attractive for cutting. During August and September it is a mass of delicate flowers. These may be used as fresh cut flowers, also for a semi-everlasting effect. They keep perfectly for months without water. It is conceded to be the most graceful of our perennial plants.

**Paniculata.** Loose and feathery sprays of white flowers; useful for mist-like effects in bouquets.

**Paniculata flore pleno.** This handsome new variety produces pretty double flowers of the purest white. Splendid for bouquets. 25c. each; dozen, \$2.50.

## **HELLEBORUS** (Christmas Rose)

These are some of the most valuable of hardy plants, as they flower when practically nothing is in bloom outdoors, actually thrusting their beautiful blossoms through the snow. They succeed almost everywhere, but prefer a sheltered, shaded location. Height of the plants is about 8 to 10 inches. Flowers are large, often 3 inches in diameter.

**Niger.** Pure white. The best of all Helleborus varieties. 35c. each; dozen, \$3.50.

## **HELIANTHUS** (Hardy Sunflower)

The perennial Sunflower is very effective either in borders, among shrubbery, or as clumps on the lawn, etc. They produce masses of flowers during summer until frost, which are splendid for cutting and decorative purposes. Height about 4 feet.

**Multiflorus flore pleno.** Large, double, golden yellow flowers, resembling a Dahlia.

## **HELIANTHEMUM** (Rock Rose)

These dwarf, trailing perennials are exceedingly beautiful when in full bloom. Especially desirable for sunny banks or rockeries. They flower from May until September.

**Coccineum.** Bright scarlet; very free flowering.

## **HEMEROCALLIS** (Day Lily)

The Day Lilies are very free flowering, ornamental plants for the border, for shrubberies or for groups. They succeed in practically any soil, and all are robust growers and satisfactory in every way. They flower from June to August.

**Flava.** Light yellow flowers; 3 feet.

**Aurantiaca Major.** Large, orange flowers. 25c. each; doz., \$2.50.

**Fulva.** Trumpet-shaped flowers, orange colored, shaded darker; blooms in June and July; 4 to 5 feet.

**Dr. Regal.** One of the finest of the late flowering sorts, producing beautiful rich apricot-colored flowers; 2½ feet. 25c. each; doz., \$2.50.

**Sovereign.** Chrome yellow flowers, some 6 to 9 inches on a stem; very handsome; 2½ feet high. 35c. each; doz., \$3.50.



*Hemerocallis*

## **HELENIUM** (Sneezewort)

These desirable perennials succeed in almost any soil in a sunny location. The flowers, which appear in great abundance in July and August, are splendid for cutting. Height, about 4 to 5 feet.

**Riverton Beauty.** Of a rich lemon-yellow color, with dark purple cone. 25c. each; dozen, \$2.50.

## **HEUCHERA** (Alum Root)

Desirable dwarf plant of easy culture. Foliage remains close to the ground. During July and August the graceful thin flower-spikes, 2 feet high, appear in profusion.

**Sanguinea.** Loose heads of bright scarlet flowers.

## **HIBISCUS** (Mallow)

For places where large, showy plants are required, or for planting in damp places, along streams, etc., the Hibiscus are unexcelled. The flowers, which are about 5 inches across, are produced in great abundance during the entire summer. They grow about 4 to 5 feet high.

**Meehani** (Meehan's Marvel Mallow). A fast growing plant, attaining a height of 5 feet and flowering continuously from July till frost; all colors mixed. Large clumps, 25c. each; doz., \$2.50; \$15.00 per 100.

**Moscheutos Roseus** (Marsh Mallow).

Large bell-shaped flowers of delicate pink. **Crimson Eye.** Extra large flowers of purest white, with a large spot of crimson in the centre.

## **HOLLYHOCKS** (Althæa Rosea)

Although they are perhaps the oldest of garden plants, the majestic Hollyhocks are more popular than ever. For old-fashioned gardens, for the border, between shrubberies, or in clumps on the lawn, etc., they are unsurpassed. The plants thrive best in soil that is not too wet; which should be enriched with well-rotted stable or sheep manure. While perfectly hardy, we recommend protecting them slightly during the winter with leaves, long manure or straw. A fungus or rust sometimes attacks hollyhocks, and to guard against this we recommend spraying the plant in early spring with Pyrox, Bordeaux Mixture or some other suitable fungicide, all of which we can supply.

**Newport Pink.** A splendid new variety of strong, vigorous growth, producing immense spikes of very double bright pink flowers. 25c. each; dozen, \$2.50.

**Double White.** **Double Crimson.**  
" Salmon. " Canary Yellow.  
" Pink. " Maroon.

Separate colors, as above, 20c. each; dozen, \$2.00.

**Double Mixed, Single Mixed, Allegheny Fringed Mixed.** 20c. each; dozen, \$2.00.

## **HYPERICUM** (St. John's Wort)

Most desirable border plant, blooming continuously the entire season. Height, about 1½ feet.

**Moserianum.** A handsome variety of most graceful habit. The flowers, which appear in greatest profusion, measure often 2 to 2½ inches in diameter, and are of a rich golden yellow color. 35c. each; dozen, \$3.75.

Prices of all Perennials on this page, except where noted, 15c. each; per dozen, \$1.50; \$10.00 per 100. Plants ship best by express or freight. None shipped C. O. D.



# 74 MICHELL'S HARDY PERENNIAL PLANTS FOR AUTUMN PLANTING

## IBERIS (Hardy Candytuft)

The Hardy Candytufts are low-growing plants, with evergreen foliage. In spring and early summer they are completely covered with dense heads of pure white flowers. For borders and rockeries they are unsurpassed. **Sempervirens.** Pure white flowers.

## LIATRIS (Blazing Star)

Tall flower spikes loom up over the majority of other perennials when it is planted in a border. It is in the height of bloom from July till September. Very desirable for table decorations.

**Pycnostachia.** Light rosy purple; 4 feet.

## LILY OF THE VALLEY

For outdoor planting in shaded places this plant occupies an unique position. Increases in number each year. Pure white flower bells appear on stems about 8 to 10 inches long in the latter part of May. Its fragrance cannot be compared with any other flower that we know of. For outdoor planting the large clumps are best, as they produce a quick effect. These are ready after November 1st. 25c. each; dozen, \$2.50; \$18.00 per 100.



*Lupinus Polyphyllus*

## LUPINUS (Lupins)

An effect equaled by a border of these cannot be imagined, as it is a wonderful sight. They commence flowering the latter part of May, and are in bloom 4 to 5 weeks. 3 to 4 feet high. In extremely dry weather they should be watered liberally.

**Polyphyllus.** Blue.  
" White. 25c. each; dozen, \$2.50.

" **Moerheimi.** This is a new variety, with gigantic flower spikes, which is a combination of pure pink in light and dark shades. 35c. each; dozen, \$3.50.

## LYCHNIS (Campion)

These flower continuously from May till September, according to the variety, the scarlet varieties producing a brilliant effect. They grow from 2 to 3 feet high, and are a fine cut flower. Amongst the border of light-colored flowers it shows up wonderfully fine.

**Chalcedonica.** Rich orange scarlet.

**Dioscea Rosea.** Very dwarf, with double pink flowers; quite suitable for edging.

**Haageana Hybrida.** Brilliant shades of orange scarlet; flowers all summer.

**Semperflorens flore pleno.** Soft pink.

**Viscaria.** Double deep red, flowering in June. One of the most attractive of the Lychnis family.

## LYTHRUM (Loose Strife)

A perennial that will succeed in most any locality. It is a rank grower, throwing out flower spikes which are 3 to 4 feet high; flowering from July until September.

**Roseum Superbum.** Rich rose pink.

## MONARDA (Bergamot)

The foliage of this plant has to many a pleasant odor. Its flowers, which are produced in a cluster at the end of the stem, two or more feet in height, are rich colored and produced in great quantities during July and August. It is extremely hardy, and ought to be in every collection of perennials.

**Didyma.** Bright scarlet.

## MYOSOTIS (Forget-Me-Not)

These very early spring flowering plants do well if set out in the fall. They are most effective when intermingled with Pansies, English Daisies or amongst summer-flowering perennials. They bloom usually about the middle of April, and last well into the summer. In extremely severe climates a little covering of straw or manure over the plants will prove beneficial.

**Dissitiflora.** Sky blue flowers on long stems.

**Alpestris.** Large flowers of a rich blue shade.

**Palustris Semperflorens.** Fine for cut-flower purposes; delicate blue.

## OENOTHERA (Evening Primrose)

After the sun begins to sink and many other perennials close their flowers for the day, the Oenothera is in its glory. Commences flowering in June and lasts throughout the season. The plants are about 10 inches high, and suitable for either border or rock garden work.

**Missouriensis.** Golden yellow; large.

**Youngi.** Rich lemon yellow.

## ORIENTAL POPPY (Papaver)

In late years the hardy Poppies are much in favor by reason of the large clumps they make in a few years. The gorgeous colored flowers of the Oriental Type make a rich, brilliant show. These bloom usually in July. After the flowering period the plants have a tendency to take up the appearance as if they were dead. But they return to vigor usually as soon as the weather becomes cool. For the little trouble of placing and covering manure over them in the winter they reward you with an extra wealth of bloom.

**Furstenkind.** Brilliant scarlet.

**Mrs. Perry.** Soft salmon rose.

**Parkmanni.** Deep crimson.

Price of any of the above Oriental Poppies, 25c. each; dozen, \$2.50; \$15.00 per 100.

## ICELAND POPPIES

The graceful foliage is surmounted with a mass of stems a foot high, and it terminates in a beautiful cup-shaped flower. They flower continuously the entire summer.

**Orange King** (Orange Yellow), **Yellow, White,** and **Mixed**, all separate.

## PANSY

These may be successfully set out in the autumn, covered with litter, leaves, hay or straw, although this is not absolutely necessary. It does, however, insure early and abundant flowers. Our strain of Giant Exhibition Pansies cannot be surpassed.

Seedling plants ready September 1st. 25c. per dozen; \$1.00 per 100; per 1000, \$7.50.

Larger plants ready October 1st. 75c. per dozen; per 100, \$5.00.

## PENTSTEMON (Beard Tongue)

An odd-shaped flower, borne on stalks about 2 feet high. It somewhat resembles the Gloxinia, but is longer and narrower. Starts to flower in early summer and lasts until the frost will strike it down. It makes a brilliant show in the hardy border, also in rock gardens.

**Barbatus Torreyi.** Brilliant scarlet.

**Digitalis.** Purplish white flowers with dark purple throat.

## PLATYCODON (Japanese Bell Flower)

Very useful for cutting, and with a very long flowering season, lasting from June until October. Height, 2 to 3 feet.

**Grandiflorum.** Beautiful blue; very handsome.

**Grandiflorum Album.** Identical with the above, except the color, which is pure white.



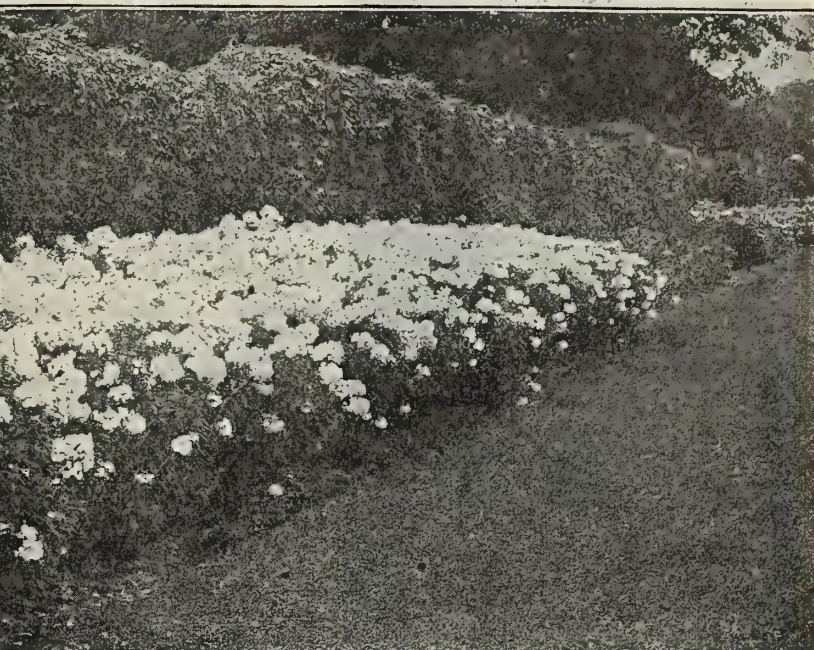
*Poppy Mrs. Perry*

Prices of all Perennials on this page, except where noted, 15c. each; per dozen, \$1.50; \$10.00 per 100 Plants ship best by express or freight. None shipped C. O. D.



# Michell's Superb Hardy Phlox

Should be planted in the autumn for brilliant shows next Summer.



## BICOLORED VARIETIES

**Europa.** Blush white, with a large deep pink center, making it a very showy combination. Very new and the best in its class. 50c. each; doz., \$5.00.

**Fiancee.** Pure white; frequently spotted and striped pink.

**Hanny Pfeiderer.** Blush white, with lavender-pink eye; a delicate shade.

**Richard Wallace.** Blush white, with violet eye; very showy.

## WHITE VARIETIES

**Frau Anton Buchner.** Very large pure white flower truss with gigantic individual florets. It makes a fine edging for a bed of Hardy Phlox, being of a very dwarf nature.

**Mrs. Jenkins.** Of medium height with immense clusters of pure white flowers; very effective when planted in masses.

**Jean d'Arc.** One of the latest white flowering, and for this reason should be included in every collection; the colors of phloxes range in the shades of pink and red, and white should be used in every instance between the other colors.

**Miss Lingard.** Very valuable, because it is the earliest flowering phlox we know of, beginning in June and blooms uninterruptedly till frost; rather tall and of vigorous growth; pure white, one of the finest phloxes grown. 25c. each; per doz., \$2.50; \$18.00 per 100.

**Von Lassburg.** The Queen of all clear white Phloxes, trusses and single flowers are immense in size, as the plant is rather dwarf, it should always be planted in the foreground.

## PINK VARIETIES

**Elizabeth Campbell.** Identical in shade of color with Mrs. John Laing Rose; delicate, refreshing pink with a white eye. Quite distinct, producing immense flower heads. 25c. each; doz., \$2.50; \$18.00 per 100.

**Madame Paul Dutrie.** Delicate soft pink, resembling a delicate Orchid. The flower trusses are enormous.

**Gruppen Königin.** Delicate rose pink with claret-red eye, easily recognized from a distance. Most effective when grouped in masses. 25c. each; doz., \$2.50; \$18.00 per 100.

**Pink Beauty.** Delicate pink, with white circle; a round, dark eye.

**Rheinstrom.** A splendid new Phlox with gigantic flowers of a bright pink. There is no similar shade among existing pink varieties, therefore everyone who admires and grows Phlox should have it in their collection. The growth is quite tall, the flowers come early and continue in bloom till frost; truly a grand variety. 25c. each; doz., \$2.50; \$18.00 per 100.

**R. P. Struthers.** Deep salmon pink, dark centre, very large.

**Tower of Eiffel.** Light salmon pink, red centre, very large.

**Wm. Robinson.** Carmine pink, with deep crimson eye.

## RED AND SCARLET VARIETIES

**Baron von Dedem (New).** Deep pink, suffused orange; immense clusters. 25c. each; doz., \$2.50; \$18.00 per 100.

**Coquelicot.** Brilliant orange scarlet with a large truss.

**Dr. Königshofer.** Brilliant orange scarlet with dark blood red eye, resembling the variety Coquelicot, but is more brilliant, and of dwarf growth. 25c. each; doz., \$2.50; \$18.00 per 100.

**Embracement.** Extra large, bright orange pink.

**Fernand Cortez.** Cerise pink, with a purple eye.

**General von Heutsz.** This produces immense trusses of enormous flowers, which are of a delicate salmon scarlet, surrounded with a lavender eye, which is edged white.

**Goliath.** A distinct variety of attractive appearance; a tall grower, attaining a height of 3 feet. The flower trusses are large, of a bright cerise color with deep eye. 25c. each; doz., \$2.50; \$18.00 per 100.

**Gen. Chanczy.** Orange, suffused scarlet; purple eye.

**Matador.** Cherry red, crimson eye; dark foliage.

**Montagnard.** Dark purple claret; large spike and flowers.

**Madame P. Langier.** Brilliant red with a dark eye.

**Von Hochberg.** Rich deep crimson.

## PURPLE AND LAVENDER VARIETIES

**Asia.** Rich shade of mauve. This is one of the finest of the newer kinds. The color is entirely distinct and must be seen to be appreciated. 50c. each; dozen, \$5.00.

**Africa.** Rich royal purple, suffused crimson. This shade in phlox is much in demand. 50c. each; doz., \$5.00.

**Eugene Danzanvilliers.** Delicate lavender; very attractive and decorative color; immense flowers. The peer of its color.

**Le Mahdi.** Most of the phloxes as they were known years back were all of a blue shade known as Magenta, a color which is hideous to many people. Of the shades of blue offered to-day, there are many which again approach Magenta. For this reason we highly recommend this sort for its splendid coloring, namely, a royal deep purple.

## MISCELLANEOUS PHLOXES

**Phlox Subulata Rosea (Moss Pink).** Moss evergreen-like foliage, tucking close to the ground and covered completely with pink star-like flowers in May.

**Phlox Subulata Alba.** The same as above with pure white flowers.

**Phlox Subulata G. F. Wilson.** Lavender. Each 35c.; doz., \$3.50.

**Phlox Ovata Carolineanum.** Early flowering, producing enormous clusters of deep pink flowers. 25c. each; doz., \$2.50; \$15.00 per 100.

The Subulata and Ovata varieties are splendid for rock gardens.

Price of any of the above Phlox, except where noted, 15c. each; per dozen, \$1.50; \$10.00 per 100



# MICHELL'S HARDY PERENNIAL PLANTS FOR AUTUMN PLANTING



*Pyrethrum Ne Plus Ultra*

## PYRETHRUM

This is one of the handsomest perennials in cultivation to-day. The large daisy-like flowers appear as early as June and bloom continuously until September. They delight in a rich soil with a natural drainage. They thrive best in the full sunlight. As the flowers die the old stems should be cut off to encourage new blooms.

Our collection of these is extremely fine and true to description.

**Ne Plus Ultra.** Double, soft lilac flowers.

A splendid shade, and deserves to be in every collection of perennials.

**Roi de Rouges.** Double, brilliant red flowers, which appear in greatest profusion.

**Princess Metternich.** Pure white; double.

A splendid variety.

Above three varieties 35c. each; dozen, \$3.50.

**Single Hybrids in choice mixture.**

**Uliginosum.** Single giant white.

## PHYSOSTEGIA (False Dragon Head)

Attractive perennial, blooming usually the latter part of July and August. Grows from 3 to 4 feet high, throwing up spikes decked with delicate tube-shaped flowers, somewhat resembling a large-flowering heather.

**Virginica.** Delicate soft pink.

**Virginica Alba.** Pure white; very striking.

## PLUMBAGO (Leadwort)

**Larpentae.** A dwarf spreading plant, splendid for rock garden and for edging hardy borders. During summer and fall months it is covered with rich deep blue flowers.

## PRIMULA (Hardy Primrose)

One of the first of the early spring flowers which delight in a rich soil, preferably in a semi-shaded location. Some of the varieties are richly colored, and, generally speaking, as a perennial are worthy of a place in the hardy garden. As a hardy border edging, as well as for rockery planting, it can be highly recommended.

**Veris (English Cowslip).** A mixture, covering various shades of red and yellow.

**Vulgaris (English Primrose).** Bright lemon yellow, with a distinct odor.

**Polyanthus.** Velvety red, edged golden yellow.

**Auricula.** A mixture of finest shades of red and yellow.

## RUDBECKIA (Cone Flower)

A variety of these will furnish a supply of cut flowers from early July until September. They are extremely hardy, doing well with every one. They could be termed "a city garden perennial," doing so well with little attention.

**Golden Glow.** Double canary yellow; 6 feet; flowers in August.

**Newmanni.** Single dark orange with deep purple cone centre; 3 feet high; flowers from July to September.

**Purpurea (Giant Purple Cone Flower).** The flowers remain in perfect condition on the plants for four weeks at a time. In fact, we do not know of any other perennial where the flowers last so long in perfect condition. Flowers from July to September; 2½ feet high.



*Rudbeckia Golden Glow*

## SOLIDAGO (Golden Rod)

These well-known perennials are especially suited for planting along shrubbery borders. They are most ornamental, and the flowers can be used for many decorative purposes.

**Altissima.** The largest of the native Golden Rods. Very tall, attaining a height of from 8 to 10 feet, with immense heads of golden yellow flowers in October. When planted in masses with hardy Asters they form a beautiful color scheme along the roadside or the border of woods and streams.

**Canadensis.** Grows 4 to 5 feet high, producing large spikes of golden yellow flowers in great abundance from July until September.

## SALVIA (Meadow Sage)

**Azurea.** The plant is covered with a mass of rich sky blue flowers, commencing in July and lasting until September; about 3 feet tall. They make a good show if planted in masses.



*Scabiosa Caucasica*

## SCABIOSA

The hardy variety is even more wonderful and of greater beauty than the annual sort, commonly called Mourning Bride. The flowers are gigantic, measuring frequently three inches and more in diameter. It delights in a sunny position, and is a cut flower few perennials can equal. It lasts a long while in water. The average height is about 2½ feet. Very free flowering.

**Caucasica.** A delicate shade of lavender blue, starting in flower in June, and lasting well through the summer.

**Caucasica Alba.** Like the above, except the color is pure white.

**Japonica.** Rich lavender blue.

Any of the above three varieties 25c. each; dozen, \$2.50; \$15.00 per 100.

Prices of all Perennials on this page, except where noted, 15c. each; per dozen, \$1.50; \$10.00 per 100. Plants ship best by express or freight. None shipped C. O. D.



# MICHELL'S HARDY PERENNIAL PLANTS FOR AUTUMN PLANTING

## SEDUM (Stonecrop)

For cemetery use or covering graves, for carpet or bedding effects or for rock garden work this fills an important gap. Even when not in bloom it is attractive, while in flower the plant is a blaze of color. The average height is 6 inches. Flowers usually in June.

**Album.** Green leaves, white flowers.

**Acre.** Golden flowers, green foliage.

**Spectabilis.** A tall-growing sort, with broad, light green leaves, which produce immense rose-colored flower heads, which appear during late summer and autumn.

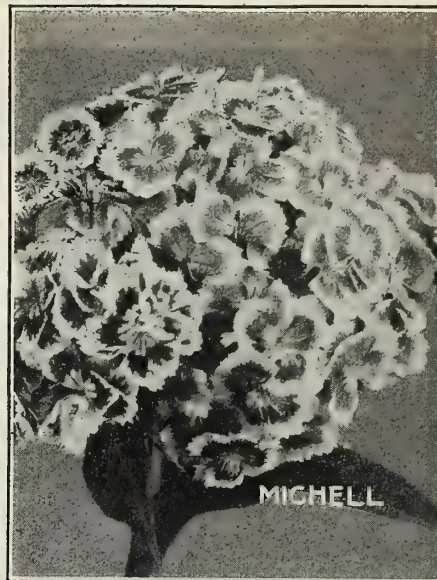
**Spectabilis Brilliant.** Identical with Spectabilis, except the flower, which is a rich red. 25c. each; dozen, \$2.50.

**Sieboldii.** Thick bluish green foliage, with pink flower heads.

## SWEET WILLIAM (Dianthus Barbatius)

The Sweet Williams are old inhabitants of the flower garden and are adapted for a variety of effects, chief among which is massing in borders. As an edging for hardy Lilies and other tall-growing perennials they are most generally used. The range of shades of colors is very wide and produces flowers of an endless variety of color, white, pink, purple, crimson and scarlet self-colors, and many sorts are variously edged, eyed and spotted, and altogether they produce a striking show. About 18 inches high. They commence flowering the latter part of May and continue in bloom for a number of weeks. We offer separate colors as follows:

**Crimson, Pink, White, Red with white eye, Violet with white eye, Maroon, and Pink Beauty, also mixed colors.**



Sweet William



Shasta Daisy

## SHASTA DAISY

**Alaska.** Undoubtedly the finest of the Hardy Daisies; introduced by Luther Burbank. The plant is rather dwarf, about 2 feet high, and the pure white flowers borne upon straight stems are large and handsome. It flowers all summer in greatest profusion, and is a splendid cut flower. 25c. each; dozen, \$2.50; \$15.00 per 100.

## STATICE (Sea Lavender)

These are unexcelled for rockeries or rough places in the garden. A splendid cut flower, which will last and retain its color throughout the winter when cut and dried. 12 to 18 inches high.

**Eximia Superba.** A new variety of great beauty, producing large flowers of a rich blue color.

**Latifolia (The Great Sea Lavender).** The finest of this genus, producing large panicles of delicate lavender blue flowers. Flowers continuously from June until September.



Stokesia Cyanea

## STOKESIA (Cornflower Aster)

A handsome large flower, frequently 4 inches across. It resembles somewhat a Giant Scabiosa. It thrives best in a sunny border, and when planted in masses produces a beautiful effect. It is about 18 inches high; blooms continuously from early summer until frost.

**Cyanea.** Lavender blue.

**Cyanea Alba.** Pure white.

## THALICTRUM (Meadow Rue)

The tall plants, 2 to 3 feet high, are crowned with fuzzy-like, delicate flowers. The foliage, which is also very fine, resembling a Maiden-Hair Fern, shows the plant off to great effect, and is very useful for bouquets, as the foliage is more lasting and stiffer than Fern Fronds. As a border plant they are very desirable. It blooms usually in June and July.

**Aquilegiaefolium Album.** Pure white.

**Aquilegiaefolium Purpureum.** Rosy purplish flowers.

## TRILLIUM (Wood Lily)

One of the best of our native spring-flowing plants. This delights in shaded locations and where the soil is naturally damp. For planting promiscuously in woodland, walks or paths it fills a charming purpose. Flowers quite early in spring; grows about 8 inches high. They are also valuable for pot culture, and when grown as such may be easily brought in bloom several weeks before their usual time.

**Grandiflorum.** Very large; pure white when first opened, and changing to rosy pink later.

## TESTIMONIAL

Fairmont, W. Va.

The herbaceous perennials were fine, husky specimens. Thanks for the good quality.

ALEX MACELWEE.

Supt. to Hon. C. W. Watson.

Prices of all Perennials on this page, except where noted, 15c. each; per dozen, \$1.50; \$10.00 per 100 Plants ship best by express or freight. None shipped C. O. D.



# MICHELL'S HARDY PERENNIAL PLANTS FOR AUTUMN PLANTING



*Tritoma*

## TRITOMA (Red Hot Poker Plant)

The effect of these cut, placed in a vase, with either green or autumn foliage, makes a striking show. Planted promiscuously in the hardy border they produce the latter part of August and early September a mass of blooms, the rich color of which shows up over everything around them. When planted in clumps they are also effective, and increase in size and beauty each year. Height, about 2 feet.

**Pfitzeri.** Of many kinds in commerce, this is undeniably the best, producing rich orange-scarlet flowers. In severe climates we recommend this to be protected over winter.

## VINCA (Periwinkle or Myrtle)

It is often a perplexing problem to find the plant that will do well in a dense shade. Right there is where Vincas of the hardy class should be employed, also in lawn plantings, under trees, in woodlands and on spots where it is desired to cover the ground and no grass will grow. The attractive light lavender flowers produce a sheen of color in May. It is valuable for planting on cemetery lots by reason of its dwarf, creeping habit. The foliage retains its color all winter.

**Minor.** Green foliage, lavender flowers.

**Minor Aurea (New).** Identical in habit and value with the **Minor** type, except that the foliage is green, margined yellow. It is fast becoming very popular by reason of the brilliant show it makes when mixed in plantings of the **Minor** variety. 25c. each; doz., \$2.50.

**Minor Rosea.** Dark green foliage, with a light pink flower.

## VERONICA (Speedwell)

The tall, graceful flower spikes are covered with many individual florets. It grows about 3 feet high. A single plant often produces as many as a dozen spikes. Planted in the autumn, or even in the spring, towards winter they should be covered liberally with manure or other suitable litter. Flowers usually in early part of July, and lasts about six weeks.

**Amethystina.** A rich amethyst blue.

**Incana.** Blue flowers, silvery foliage.

**Longifolia subsessilis.** Deep blue. 25c. each; dozen, \$2.50.

**Spicata.** Rich, bright blue.

**Royal Blue.** Rich purple.

**Virginica.** Pure white.



*Viola Cornuta*

## VIOLA CORNUTA G. WERMIG

In crossing the Tufted Pansy with a sweet-scented Violet we have here a most wonderful new flower, resembling in form, shape, color and length of stem a well-known Florist's Violet, Princess of Wales, but the foliage is that of the Pansy. The most remarkable feature of this novelty is its freeness of bloom, as a bed of these is a sea of blue from beginning of May until frost time. 25c. each; doz., \$2.50.

## VIOLA (Tufted Pansy)

The so-called Everblooming Pansy. In many ways they are better than the latter. They commence to bloom in April, and are a blaze of color until frost. The flower is not as large as the Pansy, but its free-flowing habit overbalances any of its other shortcomings. They do well in a semi-shaded location, but, of course, they thrive well in the open. If planted in among bulb beds, rose boughs, and other perennials, they are a mass of blooms, which covers bare grounds before and after the above have flowered.

**Cornuta.** Blue.

**Cornuta.** White.

**Cornuta.** Yellow.



*Yucca*

## YUCCA (Adam's Needle)

This plant sets off to best advantage if placed as individual specimens either on the lawn or in the shrubbery border. The foliage is of an evergreen nature, slender and pointed. The tall flower spikes rise 4 to 5 feet above the plant and are decked with cream white, bell-shaped, drooping flowers in July and August. Truly a majestic plant, and especially fine for producing tropical effects.

**Filamentosa.** White, with reflexed flower bells.

To popularize Hardy Perennials, we offer collections as stated below. These are taken from varieties of our selection and will give pleasing results:

Collection No. 1—12 plants, 12 vars. \$1.25

“ “ 2—25 “ 25 “ 2.50

“ “ 3—100 “ 25 “ 9.00

In ordering mention special offer on page 78. These collections can be sent by express only, at purchaser's expense.

**Note.**—This year we have greatly increased our facilities for producing perennial plants. Our collection has been greatly improved and customers in this department will be pleased with the quality we will furnish them.

Prices of all Perennials on this page, except where noted, 15c. each; per dozen, \$1.50; \$10.00 per 100 Plants ship best by express or freight. None shipped C. O. D.



# HARDY DECORATIVE AND FLOWERING SHRUBS

Autumn Planting of Shrubs is now extensively practiced, from the fact that they establish themselves quickly and grow at the first sign of spring, blooming usually that season. The latter advantage is frequently lost when spring planting is practiced. Shipping season commences about October 1st.

## BUDDLEYA

**Variabilis Magnifica** (*Butterfly Bush*). Flowers continuously all season. The flower racemes are composed of many little blossoms in the color of lilacs. 50c. each; \$5.00 per doz.

## CALYCANTHUS (Sweet Shrub)

**Floridus**. Chocolate-colored double flowers, with a peculiar, agreeable odor. Blooms in June. 35c. each; per doz., \$3.50.

## CYTISUS (Golden Chain)

**Laburnum**. A large shrub with shining green leaves and racemes of yellow flowers, which appear in early summer. 2 to 3 feet, 35c. each; per doz., \$3.50.

## CLETHRA (Sweet Pepper Bush)

**Alnifolia**. Of low and dense growth; has numerous spikes of small white fragrant flowers in July. 1 to 2 feet, 35c. each; per doz., \$3.50.

## DEUTZIA

**Candidissima** (*Fl. pl.*). Abundant racemes of double flowers in June, luxuriant foliage and fine habit. 2 to 3 feet, 35c. each; per doz., \$3.50.

**Crenata Fl. Pl.** Double white, tinged with rose. 2 to 3 feet, 25c. each; per doz., \$2.50; 3 to 4 feet, 35c. each; per doz., \$3.50.

**Gracilis**. Of dwarf, bushy habit. The racemes of white flowers in May completely cover the plant. 1 to 2 feet, 35c. each; per doz., \$3.50.

## EXOCHORDA (Pearl Bush)

**Grandiflora**. A profuse bloomer in the early summer. Flowers star shaped, pure white. 2 to 3 feet, 25c. each; per doz., \$2.50; 3 to 4 feet, 35c. each; per doz., \$3.50.

## ELEAGNUS (Japanese Oleaster)

**Longipes**. A desirable nearly evergreen shrub of medium height, with light foliage, which is silvery on the under surface. The orange-colored fruit is very attractive during late summer. Each 35c.; \$3.50 doz.

## FORSYTHIA (Golden Bell)

The yellow flowers are produced very early in spring before the leaves appear, making it very attractive. 2 to 3 feet, 35c. each; per doz., \$3.50; 3 to 4 feet, 50c. each; per doz., \$5.00.

## HYPERICUM (St. John's Wort)

**Densiflorum**. Bearing in great profusion throughout the summer golden yellow flowers. 2 to 3 feet, 35c. each; doz., \$3.75.

## HYDRANGEA

**Arborescens Grandiflora Alba** (*Snowball Hydrangea*). The snow-white blooms are of the largest size. One of the most valuable characteristics is its coming into bloom from early June until late August. 50c. each; \$5.00 per doz.

**Paniculata Grandiflora**. The large white flowers are at their best during August; later they take on a reddish cast. Used as single specimens on the lawn. Strong plants, 35c. each; per doz., \$3.50. Extra strong stock, 75c. each; per doz., \$8.00.

See also page 72 for other Hydrangeas.

## KERRIA (Globe Flower or Corchorus)

**Double-flowered**. Of medium size; double yellow flowers. 35c. each; per doz., \$3.50.

**Japanese**. A slender, green-branched shrub, 5 or 6 feet high, with globular, yellow flowers from July to October. 35c. each; per doz., \$3.50.

## LILAC (Syringa)

**Persian**. Purple. A profuse and early blooming sort, bearing light purple flowers. 3 to 4 feet.

**White Persian**. White flowers. 2 to 3 feet.

**Common**. The purple species, and one of the best. Fragrant. 2 to 3 feet. 25c. each; per doz., \$2.50.

**Charles X.** Large reddish purple, with heavy flower trusses. Extensively used for forcing.

**Marie Le Graye**. Single pure white; very fragrant. A splendid forcing variety.

Price of any of the above, except where noted, 50c. each; per doz., \$5.00. We can also supply all other varieties of Lilacs.

We Can Also Supply All Other Varieties of Shrubs, Trees and Evergreens.

## PHILADELPHUS (Mock Orange or Orange Blossoms)

**Coronarius**. Handsome foliage and beautiful white flowers; quite fragrant. 3 to 4 feet. 35c. each; per doz., \$3.50.

## SPIREA

**Anthony Waterer**. Of dwarf, dense habit, bearing a profusion of crimson flowers the entire summer. 2 to 3 feet, 35c. each; per doz., \$3.75.

**Van Houttei**. This handsome species is the most desirable. Flowers pure white, in great abundance, exceedingly beautiful; a strong, robust grower. 3 to 4 feet, 50c. each; per doz., \$4.00.

**Prunifolia** (*Bridal Wreath*). The pretty double white flowers are all along the almost leafless stems about May 1st, just as the leaves are budding. 3 to 4 feet, 50c. each; per doz., \$4.00.

**Opulifolia Aurea**. Bears an abundance of fragrant white flowers in clusters during June; the leaves are golden in spring, but darken as the season advances. 50c. each; doz., \$5.00.

**Paniculata Rosea**. A graceful shrub with waving branches decked in June with panicles of pink flowers. Each 50c.; \$5.00 doz.

**Reevesiana**. Clusters of white florets, which bend the branches gracefully and cover them completely; flowers in May. Each 50c.; \$5.00 doz.

## PRUNUS

**Pissardi** (*Purple-leaved Plum*). A tree-like shrub with dark purple leaves that keep their lustrous colored foliage right up till frost, having small pinkish white flowers. 50c. each; doz., \$5.00.

## ROBINIA

**Viscosa Rosea** (*Pink Laburnum*). Grows in tree form, well branched and attains a height of 15 feet. The blooms, which resemble wistarias, are of a delightful pink color and appear in July, when the tree is a real attraction. Strong plants, 6 feet. Each \$1.50; \$15.00 per doz.

## SAMBUCUS

**Aurea** (*Golden Elder*). Attractive by its golden foliage and desirable to mix with other shrubs to relieve the sombreness of green. 50c. each; doz., \$5.00.

## SYMPHORICARPUS

**Racemosus** (*Snowberry*). Small red flowers are succeeded by many white berries, remaining on the plant through half the winter. 50c. each; doz., \$5.00.

## VIBURNUM

**Plicatum** (*Japanese Snowball*). A desirable shrub. Should be in every garden or on the lawn; perfectly hardy, blooming in June. *Extra fine plants*, 50c. each; per doz., \$5.00.

**Viburnum Opulus** (*High Bush Cranberry*). Of spreading habit, bearing flat clusters of single white flowers, which afterwards produce brilliant red berries, which hang to the plant all winter; very decorative. Strong plants, each 50c.; \$5.00 per doz.

## WEIGELIA

**Candida**. Flowers abundantly in June and July; additional bloom is also shown during the autumn months. The tube-shaped flowers are pure white; fine for cutting. 50c. each; doz., \$5.00.

**Eva Rathke**. Of erect form and vigorous habit. The deep carmine-red flowers are the best of the red-flowering sorts. 2 to 3 feet, 35c. each; per doz., \$3.50.

**Rosea**. Fine rose-colored flowers, considered one of the finest of flowering shrubs. Blossoms in May. 3 to 4 feet, 35c. each; per doz., \$3.50.

**Sessifolia syn. lutea**. Of strong growth, with clusters of yellow flowers; very hardy. Desirable on account of its attractive foliage, which turn a reddish brown. 3 to 4 feet, 60c. each; per doz., \$5.00.

We can also supply all other varieties of Weigelias.

SHRUBS CAN ONLY BE SHIPPED BY EXPRESS OR FREIGHT. NO SHRUBS SENT C. O. D.



# 80 MICHELL'S HARDY CLIMBING PLANTS

We recommend fall planting for such hardy climbing plants as are offered here, as in most instances they are fully established when spring starts and will produce much better results the first year.

## CLIMBING ROSES

**American Pillar.** One of the most valuable of climbing roses. The plant is very robust and has lustrous leathery dark green foliage with clusters of giant single blossoms of very delicate pink. The flowers remain on the plant longer than any other rose. It is a fast grower and its foliage is never attacked by either insects or disease. 50c. each; doz., \$5.00.

**Baltimore Belle.** Large double flowers, come singly, of a delicate blush pink color. 50c. each; doz., \$5.00.

**Climbing American Beauty.** The queen of all climbing roses to date. We cannot begin to sing all the praises of this wonderful rose, for it has many features which are altogether new with climbing roses, so, for instance, is the wonderful fragrance, etc., etc. The plants grow very rapidly and have clean foliage, similar to the well-known rose American Beauty. The enormous flowers are exceedingly full of the real American Beauty color and have that desirable fragrance of the same. The individual blooms are borne on stems 15 to 18 inches long, so that they can readily be used for cut flowers. On a three-year-old specimen we counted over 200 enormous flowers, a veritable bower of roses. This rose is best grown on a post or pillar, where its display is marvelous. Strong 1-year-old plants, ready to flower the next season, 75c. each; doz., \$7.50. Strong 2-year-old plants, \$1.50 each; doz., \$15.00.

**Christine Wright.** An elegant companion to the Climbing American Beauty, from which it differs only in color, being a salmon pink; very double flowers. This should be included in every collection of Climbing Roses. Strong plants, which will bloom next season, 75c. each; doz., \$7.50.

**Crimson Rambler.** One of the most popular roses, producing large clusters of bright crimson flowers; a well-established plant in full bloom is one of the finest attractions. It grows 20 feet high and more, and can readily be used to cover trellis, verandas, pergolas and fences. Extra strong size, 50c. each; doz., \$5.00; large specimen plants, \$1.00, \$2.00 and \$3.00 each.

**Dorothy Perkins.** The best climbing rose we know of, very robust, attaining a height of 15 feet in a season. Its foliage is smaller than that of the Crimson Rambler, but is much more attractive on account of its glossy surface. It also retains the foliage better after the flowering season. Exceptionally fine plants, 50c. each; doz., \$5.00.

**Excelsa.** Very double bright scarlet flowers, making an excellent contrast with pink Dorothy Perkins. Is strictly mildew-proof, and we can recommend it in the highest terms. 50c. each; per doz., \$5.00.

**Flower of Fairfield.** A crimson Rambler of slightly everblooming nature. Its main crop of flowers appears in June and an individual spray is produced from time to time till fall. 50c. each; doz., \$5.00.

**Hiawatha.** Ideal for trellis, pergolas or fences on account of its rapid growth, although the flowers are of single form, the effect is not less rich, because the clusters are so enormous, that from a distance they are judged as double. The color is ruby red with a bright whitish centre. 50c. each; doz., \$5.00.

**Lady Gay.** In appearance similar to Dorothy Perkins, but the flowers when in bud are of a true pink, while when open they fade to almost white; this is not an undesirable feature, but rather an attraction; grows very rapidly. 50c. each; doz., \$5.00.

**Tausendschon.** An excellent rose for a pillar or post; its foliage is very clean and healthy. Its main charm lies in its beautifully formed clusters of from 6 to 10 flowers, which open one bud at a time. As a bud it is deep pink, just as it opens it turns lighter, and when fully opened it is almost white. With a succession of buds opening, one finds these three shades in the cluster at one time. 50c. each; doz., \$5.00.

**White Dorothy Perkins.** In habit of growth it is exactly like the pink of the same name, the flowers though are pure white. 50c. each; doz., \$5.00.

## AMPELOPSIS (Hardy)

**Quinquefolia (Virginia Creeper).** The large, handsome, dark-green leaves are deeply cut into five lobes, hence the name "Five Finger" is often given to it. In the autumn the foliage turns a beautiful rich crimson; especially adapted to covering tree stumps and trunks. Extra strong plants, 25c. each; per doz., \$2.50; \$15.00 per 100.

**Veitchii (Boston Ivy).** Our popular climber for brick and stone buildings and walls. The leaves are a beautiful deep green, which in the autumn turn to a coppery red. Strong plants, 25c. each; per doz., \$2.50; \$15.00 per 100.

## BIGNONIA (Trumpet Vine) Hardy

These are strong-growing vines, with rich green foliage and large trumpet-shaped flowers.

**Grandiflora.** Large flowering, bright orange-red. Extra strong plants, 50c. each; per doz., \$5.00.

**Radicans.** Dark red, free-flowering, throat shaded orange. 25c. each; doz., \$2.50.

## CLEMATIS

**Paniculata (Japanese Virgin's Bower).** A strong, luxuriant grower, with light green foliage. At the close of August innumerable star-like flowers cover the vine in a sheet of fragrant white. Extra strong plants, 25c. each; per doz., \$2.50; \$15.00 per 100. Three-year-old extra strong plants, 50c. each; per doz., \$5.00; \$35.00 per 100. Other varieties Clematis ready in spring.

## CLIMBING HYDRANGEA (Schizophragma Hydrangeoides) Hardy

The flower-heads are much like the Hydrangea, blooming in July and August. It makes an elegant effect and is suitable for clinging to most any rough wall or surface; heavy, rank grower. White flowers. Extra strong plants, \$1.00 each; doz., \$10.00.

## ENGLISH IVY (Hardy)

This is an invaluable plant for covering brick and stone walls and buildings. It rarely ever dies out and needs no attention. 25c. each; per doz., \$2.50; \$15.00 per 100.

## HONEYSUCKLE (Hardy)

**Chinese Evergreen (Woodbine).** Red, yellow and white variegated flowers; very fragrant blooms the entire season.

**Halliana (Hall's Honeysuckle).** Flowers pure white, turning to yellow; fragrant, hardy evergreen; flowers from June until frost.

**Heckrothi.** Deep red flowers with yellow throat; in bloom continuously; a beautiful contrast to the ordinary sorts.

**Variegated (Aurea reticulata).** Foliage beautifully mottled yellow and green; flowers white and yellow.

Price any of the above strong plants, 25c. each; per doz., \$2.50; \$18.00 per 100.

## KUDZU VINE (Pueraria Thunbergiana)

Attains, after once being established, a height of fifty feet in one season. Its foliage furnishes dense shade; it bears small racemes of rosy-purple, pea-shaped blossoms towards the close of August. 25c. each; per doz., \$2.50; \$15.00 per 100.

## LATHYRUS (Hardy Sweet Pea)

This makes an elegant show, planted against trellis, lattice or individual posts. It is one of the very few vines which produces flowers adapted for cutting. While not fragrant, they last in water a long while. Very showy.

**Latifolius Pink Beauty.** Brilliant rose.

" **Albus.** Pure white.

Extra strong plants of the above, 25c. each; per doz., \$2.50.

## WISTARIA (Hardy)

**Chinensis (Chinese Wistaria).** The common variety, which flowers so profusely in May. Flowers pale blue; fragrant; grows anywhere. Strong plants, 50c. each; per doz., \$5.00. Extra strong plants, \$1.00 each; per doz., \$11.00.

**Chinensis Alba.** A beautiful white-flowering form. Strong plants, 50c. each; per doz., \$5.00.

We can also supply all other Vines not catalogued here.

## SPECIAL VINE NAILS OR FASTENERS

1-in., per 100, \$1.00; 1½-in., per 100, \$1.25; 2-in., per 100, \$1.50.



# MICHELL'S FIELD GROWN CARNATION PLANTS

The plants we offer are exceptionally strong, grown at our own Plant Establishment at Torresdale, Pa., and will please the most critical gardener. Our list embraces the best kinds in commerce to-day.

## STANDARD VARIETIES

For winter blooming in conservatory and greenhouse. Our carnation plants are grown at our own nurseries, and will give immediate results indoors. Ready about September 1st.

Single plants can be mailed at prices quoted, plus 10c. each for postage.

	Each	Dozen	100
<b>Beacon.</b> Bright red.....	\$0.25	\$2.50	\$15.00
<b>Benora.</b> Pure white, penciled red.....	.25	2.50	15.00
<b>Bonfire.</b> Velvety scarlet.....	.25	2.50	15.00
<b>Christmas Cheer.</b> Poinsettia red (for pots).....	.35	3.50	25.00
<b>Commodore.</b> (New.) Scarlet brilliant....	.35	3.50	25.00
<b>Enchantress.</b> Soft pink.....	.25	2.50	15.00
<b>Enchantress Supreme.</b> (New.) Deep pink.....	.35	3.50	25.00
<b>Mrs. C. W. Ward.</b> Deep pink.....	.25	2.50	15.00
<b>Northport.</b> (New.) Deep pink.....	.35	3.50	25.00
<b>Salmon Beauty.</b> Salmon pink.....	.35	3.50	25.00
<b>Scarlet Glow.</b> Clear scarlet.....	.25	2.50	15.00
<b>Rose Pink Enchantress.</b> Rose pink.....	.25	2.50	15.00
<b>Rosetta.</b> Dark pink.....	.25	2.50	15.00
<b>White Enchantress.</b> Pure white.....	.25	2.50	15.00
<b>White Perfection.</b> Pure white.....	.25	2.50	15.00
<b>White Winsor.</b> Pure white.....	.25	2.50	15.00
<b>White Wonder.</b> Pure white.....	.25	2.50	15.00
<b>Winsor.</b> Clear rose.....	.25	2.50	15.00

**NEW VARIETIES FOR 1914 DISSEMINATION** ready after January 1st in **strong 2¼-inch pot plants.** Book your order now to ensure early delivery.

**Princess Dagmar.** Rich dark crimson, eclipsing all others.

**Philadelphia Pink.** A brilliant shade of pink. Extremely large.

**Gloria.** The brightest pink in existence.

**Gorgeous.** Glowing crimson, suffused vermillion, shaded rose on the outer edge. 2¼-inch pots; \$4.00 per dozen; per 100, \$25.00.

**Matchless.** Of purest white, without a mark.

Price of any of the above varieties in strong plants from 2¼-inch pots, ready for delivery beginning January, 1914, except where noted, \$3.00 per dozen; per 100, \$20.00.



## NEW POT CARNATION "CHRISTMAS CHEER"

### The Sensation of the Flower World

A pot carnation absolutely unique. Color a brilliant, glowing poinsettia scarlet. Easier to grow than a geranium. As a winter house plant we can recommend this variety. It is especially adapted for holiday period, as it seems in its height of beauty at that time. Often 50 buds and flowers being on a plant at one time. Large pot-grown plants, 35c. each; doz., \$3.50.

## SWEET SCENTED VIOLETS

We offer very large field-grown clumps that will give immediate effect. They are grown and cultivated with great care and will be found superior in every way, free from disease and rust. Violets are not mailable owing to the large size of the clumps we send out.

### SINGLE VARIETIES

**California.** One of the largest single blue violets in cultivation. Free and continuous bloomer.

**Princess of Wales.** A very large sort. Stems long and stout, excellent for bunching.

Prices of extra large clumps: 20c. each; per doz., \$2.00; \$15.00 per 100.

### DOUBLE VARIETIES

**Lady Hume Campbell.** A fine light blue sort, excellent for late use.

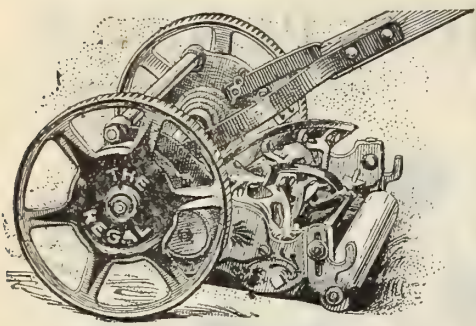
**Swanley White.** This variety compares with Lady Campbell except for color, which is white. The flowers are strongly scented.

Prices of extra large clumps: 20c. each; per doz., \$2.00; \$15.00 per 100.



Princess of Wales Violet



**LAWN MOWERS****REGAL High Wheel Ball Bearing**

14 inch, 5-blade cylinder.....	\$9.00
16 " " " " .....	10.00
18 " " " " .....	11.00
20 " " " " .....	12.00

**PENNSYLVANIA**

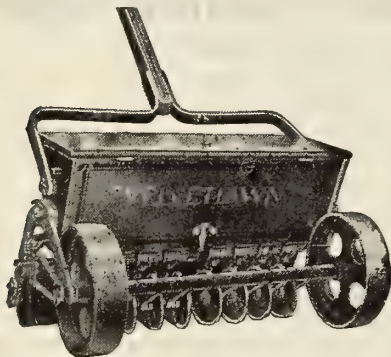
Low wheel, 8-inch diameter.

10-inch .....	\$6.50
12 " .....	7.50
14 " .....	8.50
16 " .....	9.50
18 " .....	10.50

High wheel, 10½-inch diameter.

15-inch .....	\$12.00
17 " .....	13.50
19 " .....	15.00
21 " .....	16.50

We can also supply Penna., Coldwell and Phila. Horse Mowers; Continental, Phila. and Great American B. B. Hand Mowers.

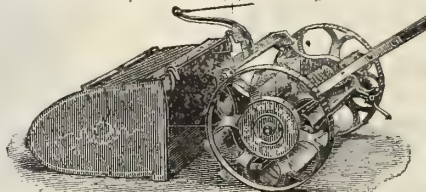
**"VELVETLAWN" SEEDER**

An excellent machine for properly sowing grass seed. It places it in the ground in close furrows, covers and rolls it at one operation. The result is an even, quick growth of grass. May be used for distributing fertilizers as well. Just the thing for properly sowing grass seed in wornout lawns during the summer time, as the seed will sprout quicker.

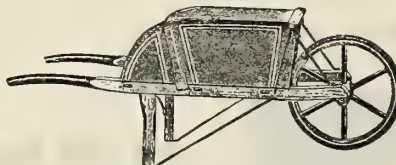
Hand Power Machine.....	\$15.00
Horse " " .....	45.00

**PENNA. LAWN CLEANER**

Excellent for cleaning lawns, greens, tennis courts. 24-in. Rake, \$16.00; 36-in., \$25.00.

**APOLLO LAWN CLEANERS**

For sweeping lawns, etc. 28 inches wide, with rubber tires. Price, \$18.00.

**WHEELBARROWS**

	No.	Tire	Length	Width	Price
Eastern..	4	3 in.	26½ in.	27 in.	\$4.50
"	5	3 "	28½ "	27 "	5.00
Jacobs ...	2	1¼ "	24½ "	23 "	3.75
"	3	1½ "	25½ "	24 "	4.25
"	4	2 "	27½ "	26 "	4.75
Boys.....	2	1 "	21¾ "	20 "	3.00
Nu-Way....	1½ "	26½ "	25 "	6.00	
Old Govern-					
ment.....	1¼ "	31 "	26 "	4.00	
Canal—side dump (bolted) .....				2.50	
Greenhouse "Special" .....				5.00	

**LAWN RAKES**

Ames (Wooden), 14 tooth .....	\$0.55
" " " " Wood bow, 24 tooth .....	.70
" " " " Steel bow, 24 tooth .....	.80
Automatic (Wooden).	
22 tooth.....	\$0.50
26 tooth.....	.60
Lawn King (Wooden).	
22-tooth.....	\$0.30
26 tooth.....	.50
38 tooth.....	\$0.75
50 tooth.....	1.00
Ole Olsen (Wooden), 26 teeth.....	\$0.50
Gibbs' Galvanized (see cut), 24 teeth .....	.50
" " " " 36 teeth .....	.75

**BOSS LAWN ROLLERS**

This has been a popular seller with us for many years. Its beveled edges are one of its best features, besides its ability to be turned very easily.

No.	In. Diam.	In. wide	Sec-tions	Lbs. weight	Price
1.....	15	15	2	150	\$7.60
2.....	15	22	3	200	10.00
3.....	20	16	2	225	11.25
4.....	20	20	2	250	12.50
5.....	20	20	1	250	12.50
6.....	20	24	3	300	14.75
7.....	20	24	2	300	14.75

We can supply heavier weight rollers

**DUNHAM'S WATER BALLAST ROLLERS (See cut)**

A heavy sheet steel drum, so constructed that it may be loaded to any weight (up to, as noted below) with either sand or water.

No.	Sec- tions	Diam.	Width	Weight Empty	Weight filled with Water	Weight filled with Sand	Price
6...	1	24	25	185	560	840	\$13.60
8...	1	24	32	200	710	1060	15.20
10...	2	18	24	100	300	500	14.40
12...	2	24	32	170	630	1000	19.20

**KEYSTONE LEAF RACKS**

Used on wheelbarrows with removable sides, for gathering leaves, cut grass and rubbish; capacity, 10 bushels; made of galvanized wire, bolted to a wooden base. Price, not including wheelbarrow, \$4.00.



Leaf Rack Complete

**WOODEN LEAF RACKS, Etc.**

The trucks of these are so constructed to permit a leaf rack, water barrel or stone box to be attached thereto as required.

Leaf Rack only .....	\$5.50
" with 1½ inch truck.....	11.00
" " 2½ " " .....	11.75
" " 3½ " " .....	12.25
Stone Box with trunnions only .....	3.25
Water Barrel with trunnions .....	3.50

We can also supply Water Barrels and Trucks complete.

All Prices Subject to Change

PI (hh)





## RUBBER HOSE

Michell's Rubber Hose is noted for its reliability in every way. We buy from the manufacturer in enormous quantities.

	Per foot
<b>Bull Dog</b> , 3/4-in., 7-ply.....	\$0.16 1/2
<b>Standard</b> , 3/4-in., 3-ply.....	.12
<b>Reliable</b> , 3/4-in., 3-ply.....	.14
" 1-in., 3-ply.....	.22
" 3/4-in., 4-ply.....	.17
" 1-in., 4-ply.....	.27 1/2
" 1/2-in., 5-ply.....	.13
<b>*Any Length</b> .....	.16 1/2
<b>*Electric</b> , 3/4-in.....	.18 1/4
<b>*Electric</b> , 1/2-in.....	.16 1/2
<b>*Revero</b> , 3/4-in.....	.18
<b>*Revero</b> , 1/2-in.....	.16
<b>Spray Pump Hose</b> , 3/8 in.....	.12

P.S.—Brands marked \* come in reels of 500 feet and sections in any length to that number of feet may be had.

25 and 50-foot sections of hose coupled free. Smaller sections coupled at the rate of 15c. per pair for couplings.

**Hose Washers.** 8c. doz.; 1/4 lb., 30c.

**Hose Protectors.** 30c. each; doz., \$3.00.



Caldwell Band  
as applied to Hose



## HOSE BANDS

For fastening couplings and menders in hose.

No.	CALDWELL'S	Doz.	100
8—For 3-ply hose.....	\$0.18	\$1.00	
6—For 4-ply hose.....	.18	1.00	
	<b>HUDSON'S</b>	Doz.	100
3/4-inch.....	\$0.18	\$1.00	
1-inch.....	.20	1.25	

### SURE GRIP

3/4-inch, 5c. each; per doz., 50c.

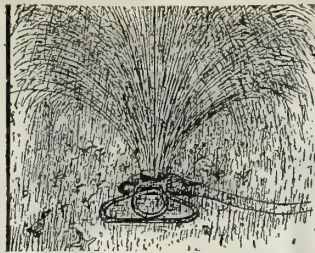
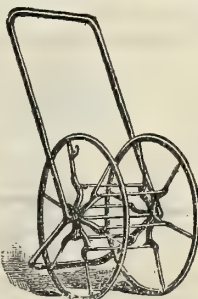
## HOSE REELS

Wirt's (All Iron)

No.	Capacity	Price
10....	100 ft....	\$2.75
20....	150 ft....	3.25
30....	300 ft....	5.00

Wirt's No. 2 (All Metal)

Capacity	Price
100 feet.....	\$1.75



The Victor Sprinkler

## LAWN SPRINKLERS

	Height	Price
<b>AETNA</b> .....	24 inches	\$1.75
<b>PLUVIUS</b> .....	11 "	1.25
<b>FOUNTAIN or RING</b> .....	3 "	.75
<b>PECK 4-arm</b> .....	40 "	3.25
<b>PECK 8-arm</b> .....	40 "	3.75
<b>WATERWITCH</b> .....	8 3/4 "	.50
<b>PRESTON</b> .....	5 1/2 "	1.25
<b>MAYFLOWER</b> .....	9 1/2 "	1.00
<b>ENTERPRISE No. 1</b> .....	8 "	3.75
<b>ENTERPRISE No. 2</b> .....	8 "	3.00
<b>VICTOR</b> .....	3 1/2 "	.75



## HOSE MENDERS

	Each	Doz.
<b>Cooper's</b> —3/4-inch.....	\$0.10	\$1.00
1/2-inch.....	.10	1.00
<b>Jones'</b> —3/4-inch (iron).....	.05	.50
<b>Hudson's</b> —3/4-inch (brass).....	.04	.42
1/2 ".....	.04	.42
<b>Perfect</b> —3/4-inch (brass).....	.10	1.00

## HOSE MENDING OUTFIT

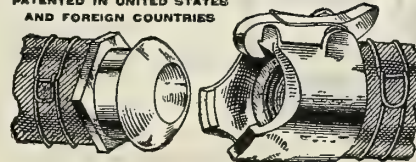
Six menders or connections, 18 bands or fasteners, and a pair of pliers for fastening bands for 3/4-inch hose.

Price: Per outfit, 65c.; by mail, 75c.

## PLIERS FOR HOSE BANDS

Caldwell .....25c. | Hudson .....25c.

PATENTED IN UNITED STATES  
AND FOREIGN COUNTRIES



No. 2

No. 1

## HOSE COUPLINGS, Etc.

Snap Couplings are entirely new and novel. They couple hose instantly, work on a spring, and are water-tight. 25c. per pair; doz. pairs, \$2.75.

### Snap Coupling Parts.

No. 2—Male, 8c. each; per doz., 85c.  
No. 1—Female, 17c. each; per doz., \$1.90.  
**Brass Hose Couplings**, 3/4-inch, per pair, 15c.; doz. pairs, \$1.60. 1-inch, per pair, 35c.; doz. pairs, \$4.00.

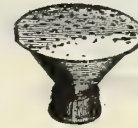
**Hose Reducers** from 1 inch, female, to 3/4 inch, male, 30c.

**Royal Hose Attachment.** For attaching hose to smooth faucets, 30c.

## HOSE NOZZLES

Boston Spray Nozzle

(See Cut)



Like the rose of a watering can, screwed on the end of the hose. Coarse and fine screen for 3/4-inch hose.

**Light Copper** .....\$0.60

**Heavy Brass** .....1.00

**\*Vermorel** (Spray Pump Size, 3/8-in.) \$0.75

**\*Bordeaux** " " " " .75

**Boss Hose Nozzle**, 3/4-in..... .45

**Gem** " " " " .35

**Plain** " " " " .25

**Zangens Rainbow**, 3/4-in..... 1.75

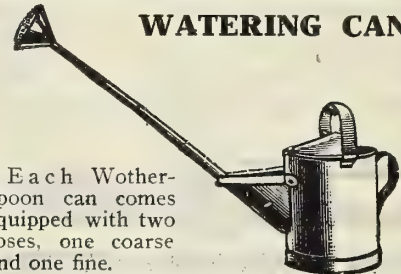
**Shower**, 3/4-in..... 2.00

\* These are 3/8-in. nozzles, if wanted for 3/4-in. hose add 25c. to the above price.

## NOZZLE HOLDERS

For sticking in the ground while one continues with other work. Made of galvanized heavy wire. Price, 15c.

## WATERING CANS



Each Wotherspoon can comes equipped with two roses, one coarse and one fine.

Wotherspoon Make (see cut)

	Round	Oval
2 quart (one spray rose only).....	\$1.15	
4 ".....	1.60	
6 ".....	1.85	\$2.10
8 ".....	2.00	2.35
10 ".....	2.25	2.60
12 ".....	2.60	2.85
16 ".....	3.15	3.50
12 qt. <b>Manure Watering Can</b> .....	2.75	
4 qt. <b>Fern or Low Watering Can</b> .....	1.50	

## Extra Roses or Sprays

For Wotherspoon Watering Can, either coarse or fine, 35c. each.

## LIGHT GALVANIZED IRON

	Each	\$0.35
4 quart.....	"	.45
6 ".....	"	.55
8 ".....	"	.60
10 ".....	"	.70
12 ".....	"	1.00
16 ".....	"	1.25
1 quart, <b>Tin</b> , painted green.....	"	.25
2 " " " ".....	"	.30
4 " " " ".....	"	.35

## ENGLISH WATERING CANS

4 qt. ..\$2.00 | 6 qt. ..\$2.25 | 8 qt. ..\$2.50

## RUBBER APRONS

For protecting the clothes while watering or potting .....\$2.00



## PRUNING SHEARS, ETC.

Our pruning shears are procured from the most reliable makers in America and Europe and but 03 are fully guaranteed in every particular.



No.	Wiss Pruning Shears	
109	Wiss, 8 in.	\$2.00
190	Henckle, 7½ in.	1.25
200	" 8½ in.	1.50
210	" 9½ in.	1.75

Searight (Compound) ..... 1.75  
 Rhodes Double Cut, 8½ inch. .... 1.75

The Henckle patterns are equipped with a ratchet nut which takes up all wear.



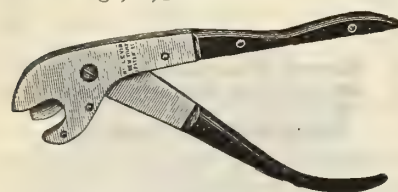
88	Hessenbruch, 8 in.	\$1.10
1537	German, 8 in.	.65
03	American, 8 in.	.40
23	Ladies' nicked, 4½ in.	.80
23	" " 5½ in.	.90
23	" " 6½ in.	1.10



## FRENCH PRUNING SHEARS

These have a distinct, very easy working, spring and are especially desirable for one whose hand is liable to fatigue when pruning.

French, small, 7 inch	\$1.25
" large, 8½ inch	1.50



## LEVIN PRUNER

On account of its peculiar construction, the handle of this shear affords a great deal of leverage, which makes very easy cutting possible. Price, 70c.

Spiral Springs for Pruning Shears. 10c. each; per doz., \$1.10.

Springs for French Pruning Shear. 25c.

## LEATHER PRUNING GLOVES



Buckskin, pair	\$1.75
Ordinary, pair	1.50
Buckskin, with gauntlets, pair	2.00

## FLY NUTS



For Hedge Shears, 30c. each.  
 The Fly Nut feature of a hedge shear enables the wear to be taken up instantly by merely tightening the same.

## TREE PRUNERS



Disston's Pole Pruner



Pruner and Saw

Disston's Little Giant. (See cut) \$1 10  
 Disston's Little Giant. With saw attachment. (See cut) ..... 1.50



## TELEGRAPH TREE PRUNER

Price, \$1.00.

## HESSENBRUCH TREE PRUNER

No.	Price
5340	\$1.25
1820	2.50
1806	1.75
1805	.75



## WATERS TREE PRUNERS

With removable cutting blade and pole complete.

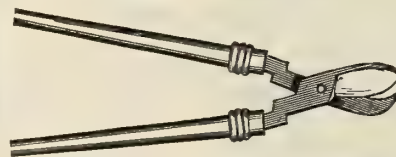
4 feet	\$0.75
6 "	.85
8 "	1.00
10 "	1.15
12 "	1.25
14 "	1.50

Extra Blades for Waters Pruners, 25c. each.

None of the above Tree Pruners except the Waters are equipped with poles or rope.

POLES for Tree Pruners.

12 feet long, 1¼ inches diameter.	\$0.45
14 " 1½ " "	.80
16 " 1½ " "	1.00



## ENGLISH LOPPING SHEARS

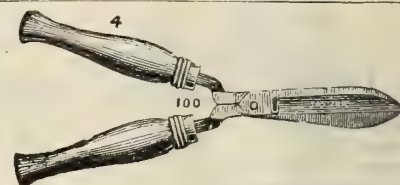
For tree and heavy hedge pruning. Made of the finest English steel, \$3.50 each.



## LOPPING SHEARS

These are used in trimming trees and for cutting heavy hedge that the regular hedge shear will not cut.

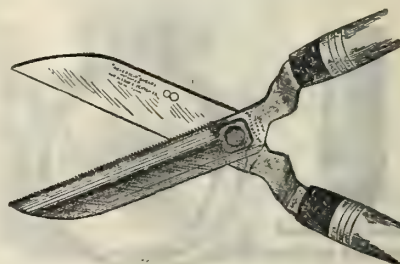
Rockdale Style. See cut ..... \$1.00  
 Searight Style. Has a tremendous leverage, which means easy cutting; made of the finest American steel.. 2.00  
 Rhodes (Double Cut) ..... 2.50



## ENGLISH HEDGE SHEARS

No.	Plain Fly Nut Bolt Each	Bolt Each
107— 5½ inch, Ladies'	\$1.00	
101— 8 "	1.50	\$2.00
101— 9 "	1.75	2.25
101— 10 "	2.00	2.50
101— 12 "	2.50	

Handles for Hedge Shears, 50c. per pair.



## HEDGE SHEARS—Neverslip Style

As may be seen by the illustration these shears have a saw edge on one blade, which prevents them from slipping when cutting.  
 8 inch.....\$1.80 | 9 inch.....\$2.25  
 10 inch.....2.50

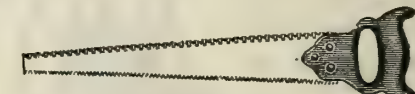
## SAYNOR HEDGE SHEARS (Fly Nut)

For very heavy hedges.  
 9 inch.....\$2.50 | 10 inch.....\$2.75

## PRUNING SAWS



16 inch, single edge	\$0.70
18 " " "	.80
20 " " "	1.00
22 " " "	1.25



18 inch Duplex (double edge) ..... \$0.85  
 20 " " " ..... 1.15  
 Searight Adjustable Tree Saw. Can be worked from any angle..... 1.00







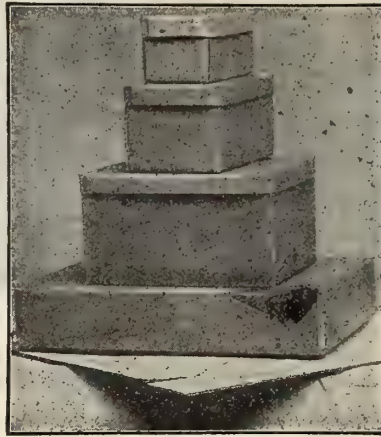


## LINING AND ROOFING PAPER

	Sq. ft. per roll	Price per roll
<b>Celery Paper</b> for covering		
celery banks .....	500	\$1.15
\$5.25 for five rolls.		
<b>Neponset Red Rope</b> .....	500	5.50
" " " .....	250	2.75
" " " .....	100	1.25
<b>Black Siding</b> .....	250	1.25
" " " .....	500	2.50
<b>Tar or Pitch, 2-ply</b> .....	100	.80
" " " 3-ply .....	100	1.10
<b>Paroid, 1-ply</b> .....	108	2.50
" " 2-ply .....	108	3.25
" " 3-ply .....	108	4.00
<b>Caps for tar paper.</b> 1 lb., 8c.; 5 lbs., 35c.		
<b>Nails for tar paper.</b> 1 lb., 8c.; 5 lbs., 35c.		

## SUNDRIES

<b>Charcoal.</b> For use in potting. Pk., 25c.; bu., 75c.; bbl., \$1.75.	
<b>Grafting Wax.</b> ¼ lb., 10c.; ½ lb., 15c.; 25c. lb.; 5 lbs., \$1.10.	
<b>Moss, Green Lump.</b> Pk., 35c.; bu., 75c.; bbl., \$1.75.	
<b>Moss, Green Sheet.</b> Pk., 50c.; bu., \$1.25; bbl., \$3.50.	
<b>Moss, Sphagnum (dry).</b> Barrel size bales, \$1.00; pk., 20c.; bu., 50c.;	
<b>Moss, Sphagnum (dry).</b> Five barrel bales, \$2.50.	
<b>Moss, Sphagnum (live).</b> Pk., 25c.; bu., 85c.; bbl., \$1.75.	
<b>Pebbles.</b> Per qt., 5c.; pk., 30c.; bu., \$1.10; bbl., \$2.50.	
<b>Peat or Leaf Mould.</b> Five barrels, \$6.25; pk., 25c.; bu., 75c.; bbl., \$1.50.	
<b>Peat, Orchid.</b> Per barrel bag, \$2.00; pk., 30c.; bu., \$1.00.	
<b>Sand for propagating.</b> Per qt., 5c.; pk., 20c.; bu., 70c.; bbl., \$1.75.	
<b>Soil for potting.</b> Qt., 5c.; ½ pk., 15c.; pk., 20c.; bu., 70c.; bbl., \$1.75.	
<b>Tin Foil.</b> 15c. per lb.; 70c. per 5 lbs.	
<b>Toothpicks.</b> Plain, box, 7c.; 35c. for 6 boxes.	
<b>Toothpicks.</b> Wired, 1000, 25c.; \$2.00 per 10,000.	
<b>Violet Foil.</b> 40c. lb.; \$1.75 per 5 lbs.	
<b>Weed Killer.</b> Fairmount. ½ gal., 75c.; \$1.25 gal.; 5 gals., \$6.00.	
<b>Weed Killer.</b> Target Brand. 45c. per qt.; ½ gal., 65c.; \$1.15 per gal.; 5 gals., \$5.00; \$9.50 for 10 gals.	
<b>Zementine.</b> For whitewashing and shading. 2 lbs., 15c.; 10 lbs., 70c.	
<b>Carnation Bands (Rubber).</b> For mending bursted calyx. 30c. per oz.; ¼ lb., \$1.00.	
<b>Carnation Staples</b> for mending Carnation Calyx. 60c. per 1000.	



## CUT FLOWER BOXES HEAVY CORRUGATED PAPER

60 x 20 x 12 inch	Each \$0.60	Per Doz. \$6.50
42 x 14 x 8 " " "	.40	4.50
36 x 14 x 6 " " "	.35	3.50
24 x 8 x 5 " " "	.20	2.00

## LIGHT WEIGHT PAPER

Size	Per Doz.	Per 100
14 x 5 x 3	\$0.35	\$2.25
20 x 4 x 3	.40	2.50
16 x 5 x 3	.40	2.50
18 x 5 x 3	.45	2.65
19 x 5 x 3 ¼	.50	3.00
18 x 7 ½ x 3 ½	.60	3.50
21 x 5 x 3 ¼	.60	3.50
23 x 5 x 3 ½	.65	3.75
21 x 7 x 3 ½	.65	3.75
21 x 8 x 4	.70	4.00
23 x 7 x 3 ½	.70	4.00

## HEAVY WEIGHT PAPER

Size	Per Doz.	Per 100
23 x 12 x 4	\$1.00	\$6.50
28 x 8 x 5	1.00	6.50
30 x 9 x 4	1.00	6.50
36 x 8 x 5	1.25	8.25
23 x 12 x 5	1.25	8.25
30 x 9 x 6	1.35	8.75
30 x 12 x 6	1.50	11.00
30 x 14 x 8	2.40	16.50
36 x 12 x 6	2.40	16.50

We can also supply other sizes of boxes.

## VIOLET BOXES

Size	Per Doz.	Per 100
7 x 4 x 4	\$0.40	\$2.75
8 x 5 x 5	.70	4.40
9 x 7 x 5 ½	.80	5.50
10 ¼ x 6 ¼ x 4 ½	.80	5.50
13 x 9 x 6	1.25	8.80

## PAPER FOR FLOWERS

	Lb.	5 lbs.	Ream
<b>Manilla.</b> For wrapping.	\$0.10	\$0.45	\$1.60
" Tissue	.12	.55	1.00
<b>Wax.</b> Best quality, White			
24 x 36 in.	.30	1.25	2.50
<b>Wax.</b> Best quality, Green			
24 x 36 in.	.35	1.50	3.00

## WIRE NETTING

### 1-inch Mesh, No. 20 Wire

Wide	Price	Wide	Price
12 in.	\$1.80	42 in.	\$5.50
18 in.	2.60	48 in.	6.50
24 in.	3.40	60 in.	8.00
30 in.	4.20	72 in.	9.50
36 in.	5.00		

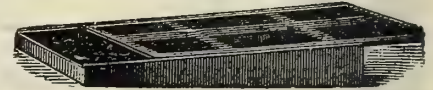


## PAINTED POT LABELS

	100	500	1000
4 inch	\$0.12	\$0.50	\$0.85
4 ½ "	.15	.60	1.00
5 "	.20	.70	1.25
6 "	.25	.85	1.50
8 "	.35	1.75	3.25
10 "	.50	2.40	4.50
12 "	.75	3.25	6.00
18 " Garden style..	2.50		20.00

## TREE LABELS, Etc.

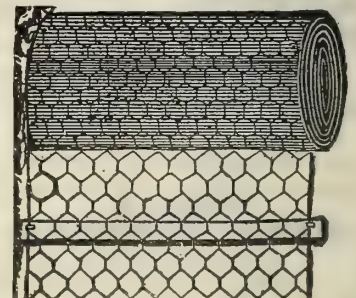
	Per 100	Per 1000
<b>Iron Wired.</b> Plain Wood..	\$0.15	\$1.00
<b>Copper Wired.</b> Plain "...	.20	1.25
" " Painted .....	.25	1.50
<b>Copper Sheet,</b> wired. 20c. doz.; 100, \$1.10.		
<b>Zinc Sheet,</b> wired. 20c. doz.; 100, \$1.10.		
<b>Indelible Marking Pencils</b> .....	.5c.	



## SHADING OR PROTECTING CLOTH

Largely used as a substitute for glass where protection is desired. It is admirable for summer use, protecting plants, etc., from sun and at the same time allowing ventilation.

	Light Yd. Pc.	Medium Yd. Pc.	Heavy Yd. Pc.
<b>Green (Mildew Proof)</b> ....not made	12c.	\$6.60	18c. \$6.40
<b>Brown</b> .....6c.	\$3.30	10c. 5.40	14c. 5.20
<b>Yds. per Piece.</b>	60	60	40



## GALVANIZED WIRE NETTING

Galvanized after woven, which makes it almost equivalent to wire one number heavier.

### 2-inch Mesh, No. 19 Wire, 150 Running Feet per Bale

Wide	Price	Wide	Price
12 in.	\$0.90	42 in.	\$2.85
18 in.	1.25	48 in.	3.15
24 in.	1.65	60 in.	4.00
30 in.	2.00	72 in.	4.50
36 in.	2.40		

See price of 1 inch mesh wire opposite.  
We can also supply Pittsburg Wire Fencing. Send for prices.



**PEERLESS GLAZING POINTS**

Made of zinc, can be used on right or left hand side of sash bar. 3 sizes.

No. 1 for single thick glass.

No. 2 for single thick glass.

No. 2½ for double thick glass.

Price, 60c. per 1000 (by mail, 76c.).

**Pincers.** For driving Peerless Points. 50c. per pair.

**SIEBERT'S GLAZING POINTS**

⅝ and ⅞ inches long. 40c. per lb.; 10 lbs., \$3.75.

There are between 1000 and 1200 points in a lb. of the above.

**NAUMANN'S BRASS GLAZING POINTS**

85c. per 1000 (by mail, \$1.10).

**ZINC GLAZING NAILS**

20c. per lb.; 10 lbs., \$1.85.



6-Wheel Glass Cutter

**GLASS CUTTERS**

Single Wheel, steel, each	.....\$0.15
6-Wheel, steel, each	..... .35
Diamond (ebony handle)	..... 3.00
(cocoa handle), extra large diamond	..... 4.00

**PUTTY BULBS**

For distributing putty, mastica, and similar materials.

Price ..... \$1.60

**MASTICA MACHINE**

For distributing mastica, etc. Made of zinc and will last a lifetime.

Price ..... \$1.25

**MASTICA**

For glazing greenhouses, new or old. One gallon will cover about 300 running feet.

½ gallon	.....\$0.75
1 "	..... 1.35
5 "	..... 6.50

**TWEMLOW'S PUTTY**

Superior to putty, more easily applied and lasting. Can be put on with a putty bulb or mastica machine.

PRICES

16-lb. can (1 gal.)	.....\$1.50
50 lbs. (3 gals.)	..... 4.50
80 lbs. (5 gals.)	..... 7.25

**HAMMOND'S GREENHOUSE WHITE**

A very superior white lead paint.  
1 gal., \$1.90

**GLASS CLAMPS**

For supporting broken lights of glass.  
Per box of 100 .....\$1.10

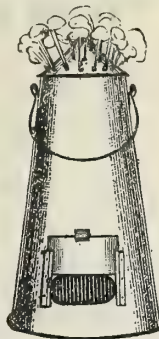
**FUMIGATORS****Perfection Make**

Fitted with a water tank to prevent burning out.

No.	
1	for house 12x40 ft. \$3.00
2	" " 15x100 ft. 3.50
3	" " 20x100 ft. 4.00
5	" " 20x150 ft. 5.50

**Eureka Make**

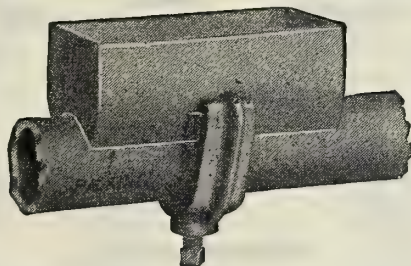
No.	
1	for house 10x20 ft. \$1.25
2	" " 12x40 ft. 1.75
3	" " 15x100 ft. 2.25
4	" " 20x100 ft. 3.25



Eureka

**VAPORIZING LAMP**

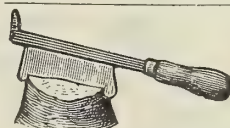
Practical and indestructible, all metal, burns kerosene, used for dispensing fumes of Nicotidine, Tobacine and other preparations of this sort. 50c. each.

**THE BATE EVAPORATOR**

This consists of a bottomless pan, which fits directly over your steam or hot water pipes. For proper fumigation with Nicotine insecticide requires 3 pans for a house of 100 x 25 feet, or say one pan to every six or eight thousand cubic feet of air space. Made for the following sized pipe: 1 inch, 1½ inch and 2 inch. Always state for which size it is wanted when ordering. Each, 80c.; per doz., \$8.00. Larger quantities at 65c. per pan

**DORRANCE SULPHUR BURNER**

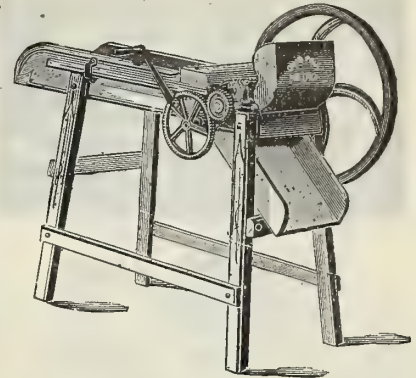
An excellent Apparatus for dispensing sulphur fumes. Made entirely of copper; indestructible and will last forever. Price, \$5.50.

**GRAFTING TOOL**

Best English steel for grafting trees, etc.  
With Wood Handle .....\$0.75  
With Steel Handle ..... .60

**GRAFTING WAX**

¼ lb., 10c.; 15c. ½ lb.; 1 lb., 25c.; \$1.10 per 5 lbs.

**OHIO HAY CUTTER**

This is considered the finest machine in the market for cutting hay, ensilage, etc.

Price: Single knife machine, \$12.50; \$18.00 for double knife machine.

P.S.—The above cut represents a large three-knife machine.

**Mann's Clover Cutter.** Plain, \$8.00; on stand, \$10.00.

This is used for poultry purposes only, for cutting clover hay.



No. 7 Banner Root Cutter

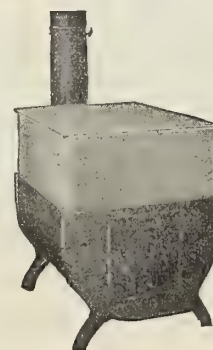
**ROOT CUTTERS**

It is a well-known fact that Mangels, Carrots, etc., cut up in the form in which these machines leave them, are one of the great requisites for the poultry in Winter.

Price: No. 7 Banner	..... \$5.00
" " 16 "	..... 12.00
" " 20 "	..... 9.00
Ames Root Cutter	..... 12.00

**"FARMERS' FAVORITE" FEED COOKER**

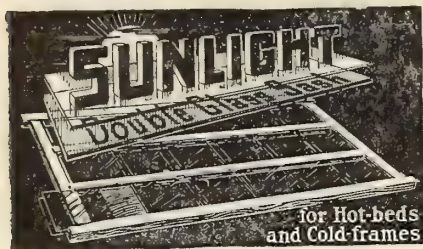
No. Cap. gals.	
1 25	..... \$10.00
2 30	..... 10.50
3 40	..... 12.00
4 50	..... 13.00
5 75	..... 15.00
6 100	..... 17.00



The above prices are for the Cooker complete, for burning wood, consisting of stove, or fire box, galvanized steel boiler with four handles and cover, one length of

6-in. stove pipe and damper and one 6-in. elbow. Coal grate and lining \$3.50 additional.





### SUNLIGHT SASH

These are made with a double glass facing, one on the bottom, another on the top. It is claimed by the manufacturer where these are used, hot bed mats are unnecessary. In one size only, 3 feet wide, 6 feet long.

Prices, f. o. b. Philadelphia:

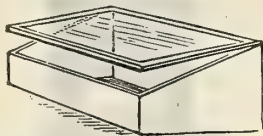
Plain, Unglazed .....\$2.50  
Glazed and Painted ..... 4.65  
Crating Glazed Sunlights, 25c each extra.

### HOT BED SASH

Made of best quality cypress. Size, 3 ft. 17½ in. wide, 6 feet long.

Plain, not glazed or painted. Each, \$1.50;  
\$16.50 per doz.  
Glazed, painted, puttied glass. Each, \$3.50;  
\$40.00 per doz.

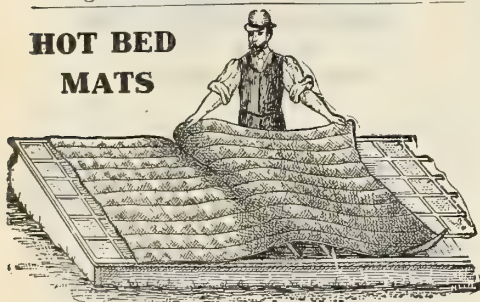
Factory packing charges on Glazed sash only, 10c. each; per doz., \$1.20 extra.



### MINIATURE HOTBEDS

Suitable for raising seedlings or for rooted cuttings. 12 x 20 in. \$1.35 each. Complete with glass.

### HOT BED MATS



The Burlap, and Duck and Burlap are the best mats that it is possible to procure. Rats and mice do not harbor in them, and they are otherwise practically indestructible.

**Burlap.** 76 x 76 inches, covering two regular size sash. Each, \$1.50; doz., \$17.00.

**Burlap.** 40 x 76 inches, for one sash. Each, \$1.00; doz., \$11.00.

**Duck and Burlap.** This style is waterproofed on one side. 40x76 inches. Each, \$1.25; doz., \$14.00.

**Duck and Burlap.** 76 x 76 inches. Each, \$1.75; doz., \$20.00.

We can supply the following mats any length desired.

**Duck and Burlap.** 76 inches wide at 30c. per running foot.

**Plain Burlap.** 76 inches wide at 26c. per running foot.

**Straw Mats.** 3 x 6 feet.....\$1.00 \$11.00  
" " 6 x 6 feet..... 1.75 18.00

### WIRE PLANT STANDS

These are nicely painted dark green and finished in bronze. They are very substantial and will carry most any weight that can be placed on them. We especially recommend the Jones style, as it is collapsible and takes up very little space when not in use.



### PHILADELPHIA STYLE

#### Square Style

1 shelf.....	\$2.25
2 " .....	3.00
3 " .....	4.00

#### Half Round Style

\$3.00
4.00

### JONES' COLLAPSIBLE STYLE

(See cut.)

2 shelf.....	\$2.25	3 shelf.....	\$3.25
--------------	--------	--------------	--------

### RUBBER APRONS

For protecting the clothing while watering or doing any work in the garden where your clothes could become soiled. Price, \$1.75.

### LEATHER PRUNING GLOVES



Buckskin, pair.....	\$1.75
Ordinary, pair.....	1.50
Buckskin, with gauntlets, pair.....	2.00

### IRON PLANT STANDS

You can tilt and set your plants at any angle desired to produce the proper decorative effect. Enameled green.

#### SUPERIOR STYLE

Height	Size of Plates	Price Each	Per Doz.
12 inch .....	5 x 7	\$0.85	\$9.00
18 " .....	5 x 7	.95	10.00
18 " .....	8 x 10½	1.05	11.75
24 " .....	8 x 10½	1.15	13.00
24 " .....	8 x 12	1.25	14.25
30 " .....	8 x 10½	1.35	14.75
30 " .....	8 x 12	1.45	15.75
36 " .....	8 x 10½	1.55	15.75
36 " .....	8 x 12	1.65	16.75
42 " .....	8 x 10½	1.75	16.75
42 " .....	8 x 12	1.80	18.00
48 " .....	8 x 12	1.85	19.50
60 " .....	8 x 12	1.95	20.75
72 " .....	8 x 12	2.05	22.00

#### STAR STYLE

Somewhat similar to the "Superior," excepting that they are not fitted with the tilting device, and are finished in black varnish.

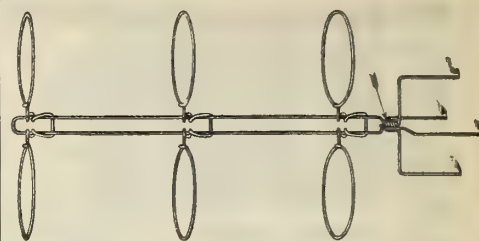
	Each	Per Doz.
12 inches high.....	\$0.70	\$7.70
18 " " .....	.80	8.80
24 " " .....	.95	10.50
30 " " .....	1.15	12.25
36 " " .....	1.40	15.50
42 " " .....	1.55	16.50

#### Extra Plates for Superior Stands

	Each	Per Doz.
5 inch .....	\$0.30	\$3.30
7 " .....	.35	3.75
8 " .....	.50	5.50
10½ " .....	.55	6.00
12 " .....	.65	7.00

#### Extra Plates for Star Stands

	Each	Per Doz.
5 inches diam. ....	\$0.25	\$2.85
7 " " .....	.40	4.40
10½ " " .....	.50	5.50



Müller Carnation Support

### MÜLLER'S DOUBLE SUPPORT

One of the best on the market, easily put together. After the rings are detached it folds flat, thereby requiring very little storage room when putting away.

Per doz., 75c. \$4.50 per 100; per 1000, \$42.00.

### RICHMOND CARNATION SUPPORT

This is now the most popular support that there is, it can be put together in a minute, and is always satisfactory.

	Per Doz.	100	1000
No. 11. 29 in., 3 ring double .....	\$0.65	\$4.50	42.50
No. 11. 29 in., 3 ring single .....	.50	3.50	32.00

### "MODEL" CARNATION SUPPORTS

	Per doz.	100	1000
2 Ring .....	\$0.45	\$3.00	\$27.50
3 Ring .....	.55	3.50	32.50



### ILLINOIS WINDOW BOXES

(Self-watering Style.)

These are made of metal, finished bright green; the bottom is equipped with a reservoir which, when filled, is sufficient to keep the contents of the box watered for two weeks.

No. 1.....	Height	Width	Length	Price
" 5.....	8 in.	9½ in.	23 in.	\$1.75
" 8.....	8 " "	9½ " "	31 " "	2.35
" 8.....	8 " "	9½ " "	37 " "	2.75



### WIRE TREE GUARD

Carefully galvanized, thoroughly made, 8 inches diameter. \$1.25 each; per doz., \$13.50.

### No 4 IRON TREE GUARD

(See Cut)

12 in. diameter, 6 ft. high. Price, \$2.50 each; per doz., \$25.00.



### GREEN TAPERING STAKES

	Each	Doz.	100
1½ feet tapering .....	\$0.02	\$0.17	\$1.00
2 " " .....	.03	.28	1.70
2½ " " .....	.04	.39	2.40
3 " " .....	.05	.51	3.20
3½ " " .....	.06	.63	4.00
4 " " .....	.07	.75	4.80
5 " " .....	.08	.88	5.60

### ROSE OR DAHLIA STAKES ROUND TAPERING STYLE

	Each	Doz.	100
3 feet .....	\$0.08	\$0.75	\$4.85
3½ " .....	.09	.88	5.68
4 " .....	.10	1.10	6.50
5 " .....	.12	1.25	8.15
6 " .....	.15	1.55	9.80

### GALVANIZED WIRE STAKES No. 10 Wire, light

	Doz.	100	1000
2 feet long .....	\$0.12	\$0.60	\$5.00
2½ " " .....	.15	.75	6.25
3 " " .....	.18	.90	7.75
3½ " " .....	.22	1.10	9.00
4 " " .....	.25	1.25	10.50
4½ " " .....	.30	1.35	12.00
5 " " .....	.35	1.50	13.00
6 " " .....	.40	1.75	14.25

#### No. 8 Wire, heavy

	Doz.	100	1000
4 feet long .....	\$0.30	\$1.70	\$14.00
4½ " " .....	.35	1.85	15.00
5 " " .....	.40	2.00	16.00
6 " " .....	.45	2.25	18.00

### DOWELS OR STAKES

Length	Diam.	Doz.	100	1000
24 in. ....	¾ in. ....	\$0.12	\$0.70	\$5.25
30 " ....	¾ " ....	.15	.85	6.50
36 " ....	1 " ....	.15	.85	6.50
36 " ....	1 " ....	.15	.85	6.50
36 " ....	1 " ....	.15	.85	6.50
42 " ....	1 " ....	.20	1.25	9.00
42 " ....	1 " ....	.20	.95	7.50
42 " ....	1 " ....	.20	.95	7.50
42 " ....	1 " ....	.20	.95	7.50
42 " ....	1 " ....	.20	.95	7.50
42 " ....	1 " ....	.25	1.35	11.00

The above are plain stakes, if wanted dyed green add 5c. per doz.; 15c. per 100; per 1000, \$1.00 to the above prices.

### CANE STAKES

	Doz.	100	250	1000
Southern, 8 to 9 ft. ....	\$0.25	\$1.00	\$2.25	\$8.00
Japanese, 5 to 6 ft. ....	.25	1.00	2.25	8.00

### GREEN CANE STAKES

These are treated with a coloring that is permanent, making a very attractive stake for all purposes where it is heavy enough. We have these in 3½ foot lengths only. Price, 15c. per doz.; per 100, \$1.00; \$8.25 per 1000.

### HYACINTH STAKES

	Doz.	100	1000
Used for staking hyacinths, tulips and slender plants. ....			
12 inches long .....	\$0.05	\$0.25	\$1.50
18 " " .....	.08	.40	2.00



Cort's Stake Fastener



Blake Lock Clip

### STAKE FASTENERS

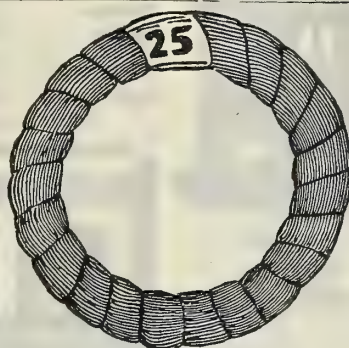
These take the place of string entirely, lasting several seasons, used for fastening cross wires to galvanized stakes.

	500	1000
Blakes. Lock Clips .....	\$0.85	\$1.60
Corts. Heavy .....	1.75	3.25
" Light .....	1.00	1.90

### SQUARE PLANT STAKES

These are painted green and nicely tapered and finished.

	Each	Doz.	100
1½ feet .....	\$0.02	\$0.12	\$0.95
2 " .....	.02	.18	1.43
2½ " .....	.03	.24	1.90
3 " .....	.05	.48	3.80
3½ " .....	.06	.52	4.28
4 " .....	.07	.66	5.28
5 " .....	.08	.90	7.13
6 " .....	.10	1.08	8.55



### WIRE

Price subject to change

#### GALVANIZED

No.	lb.	12 lb. Stone
No. 16 .....	\$0.10	\$0.85
No. 18 .....	.11	1.00
No. 19 .....	.12	1.10
No. 20 .....	.13	1.15
No. 22 .....	.14	1.30
No. 24 .....	.15	1.50

#### ANNEALED

No.	lb.	12 lb. Stone
No. 16 .....	\$0.08	\$0.70
No. 18 .....	.09	.80
No. 20 .....	.10	.85
No. 22 .....	.11	.90
No. 24 .....	.12	1.10
No. 19 Tinned .....	.11	.90

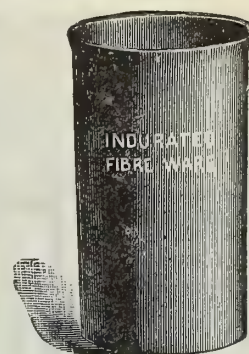
### TINNED WIRE

No. 19, 11c. lb.; per 12 lb. stone, 90c. In 10-lb. boxes, cut 8½ inches, 15c. per lb.; per box, \$1.40.

### CUT BOUQUET WIRE

For Funeral Work, Stemming Flowers, Etc.

Cut 9, 12 or 18 inches in length.	
No. 20, 12c. per lb.; per box, 12 lbs.,	\$1.30
No. 22, 14c. per lb.; per box, 12 lbs.,	1.40
No. 24, 15c. per lb.; per box, 12 lbs.,	1.50



### WOOD FIBRE FLOWER VASES

No.	Diam. inside	Depth inside	Each	Doz.
0 ....	8 in.	13 in.	\$0.58	\$6.60
1 ....	5½ "	10 "	.50	5.70
2 ....	4½ "	9 "	.44	5.00
3 ....	4 "	6 "	.37	4.20
4 ....	3 "	4½ "	.29	3.30
00 ....	9 "	21 "	2.19	25.00
11 ....	5 "	18 "	.58	6.60
22 ....	4½ "	15 "	.50	5.70
33 ....	4 "	12 "	.44	5.00
44 ....	3 "	9 "	.37	4.20
000 ....	9 "	29 "	2.88	33.00



### RAFFIA

For tying, basket making and fancy work, very long and fibrous.

Natural Color. Price, 20c. per lb.; 5 lbs. for 90c.

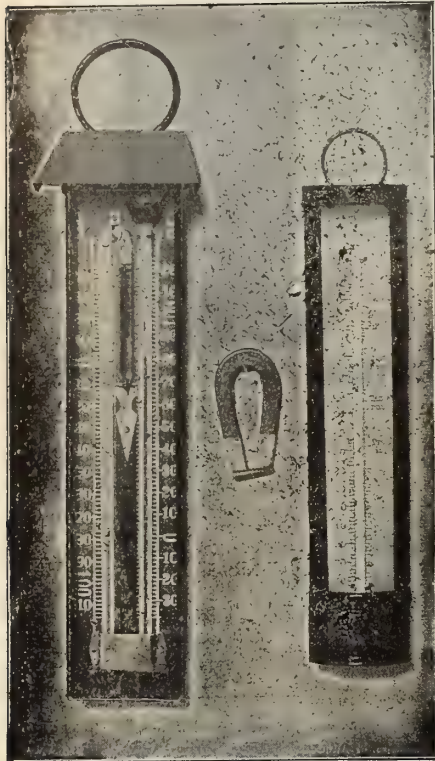
Colored. In all shades, 15c. per ¼ lb.; 1 lb., 50c.; \$2.25 for 5 lbs.



### TWINES, ETC.

	Ball	lb
No. 12 Light Italian Twine ..	\$0.20	\$0.40
No. 18 Medium Italian Twine .	.20	.40
No. 24, Heavy Italian Twine...	.20	.40
No. 30, Heavy Italian Twine...	.20	.35
2 ply, 3 ply and 5 ply Jute ....	.10	.20
Linen Bouquet .....	.08	.45
Boston Linen, 2 and 3 ply .....	.20	.35
Green Sea Island .....	.10	.45
Special Thin White Cotton ....	.08	.30
2 ply Texas White Cotton ....	.07	.30
Tarred, for Mat Making .....	.20	
Tarred Sisal for Fodder .....		.12
Binder (5-lb. ball) .....	.75	
Express, very heavy .....	.15	
Green Silkline. For stringing Smilax and Asparagus.		
Price per spool, 25c.		
Price, per lb. (8 spools) (Coarse or fine) .....	1.50	
Green Linen (substitute for Silkline), very similar to the above, fast color.		
Price, 20c. per ball; 85c. per lb.		



**THERMOMETERS****MAXIMUM AND MINIMUM**

Registering the coldest and the warmest point during previous night.

8 inch, each \$2.50; 10 inch, each \$3.00.

**3-POINT TEST THERMOMETERS**

These thermometers are positively accurate and may be depended upon at all times. We can supply these in Mercury or Spirit Glass. State which is wanted in ordering.

	Each	Doz.
No. 5420B—8 inch, Tin Case.	\$0.50	\$5.50
No. 5420B—10 " " "	.65	7.25
No. 5420B—12 " " "	1.00	11.00
No. 5154—8 inch, Copper Case	.85	8.50
No. 5154—10 " " "	1.00	11.00
No. 5100—8 inch, Wood Back, Black Scale.	1.25	14.00
No. 5100—10 inch, Wood Back, Black Scale.	1.50	16.00
No. 5132—8 inch, Wood Back, Porcelain Scale.	1.00	11.00
No. 5132—10 inch, Wood Back, Porcelain Scale.	1.25	14.00

**STANDARD TIN CASE THERMOMETERS**

	Each	Doz.
White scale, very reliable.		
8 inch, No. 5420W.	\$0.30	\$3.25
10 " No. 5420W.	.40	4.25

**MUSHROOM OR HOT BED THERMOMETERS**

Iron Point.	Each, \$1.00
Brass Point.	1.50

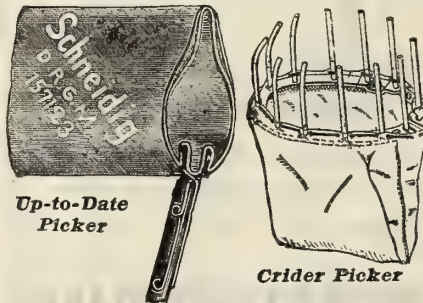
**GLASS DAIRY THERMOMETERS**

25c. each; per doz., \$2.50.

**ELECTRIC THERMOSTAT AND THERMOMETER**

All brass, Regular style, \$6.00; Water-proof style, \$11.00.

We can also supply Incubator and brooder Thermometers.

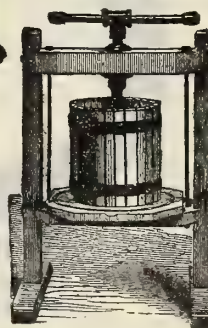
*The Boss Wire Fruit Picker*

**FRUIT PICKERS**  
Boss ..... each, \$0.35  
Up-to-Date ..... .25  
Crider's ..... .50

**IDEAL FRUIT PICKING BAG,**  
Made of Canvas, \$1.00.*Cider Mill***WINE PRESSES**

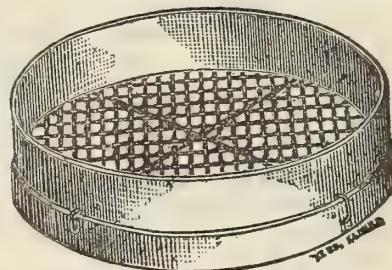
Made of best quality wood, carefully bolted and finished.

No. 1	\$4.00
No. 2	5.00
No. 2½	5.75
No. 3	6.25

*Wine Press***GRAPE GRINDER**

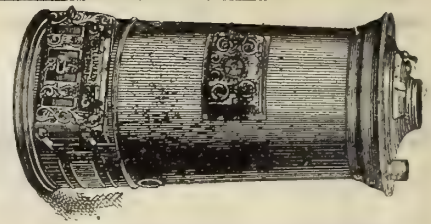
Suitable for crushing berries, grapes and similar soft fruit.

Price ..... \$3.00

**SIEVES (ANY SIZE MESH)**

Made extra well, of galvanized wire and hard wood.

	Each
20 inch Foundry (extra heavy)	\$0.95
20 inch Regular wire	.85
18 inch Regular wire	.75
16 inch Regular wire	.65

**HOT WATER STOVES**

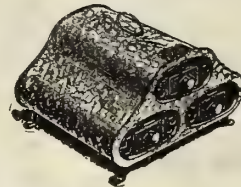
IDEAL, Jr. (See cut.)

	Direct Radiation	Capacity of Tank	Price
No. 0	75 sq. ft.	100 gallons	\$18.00
No. 10	150 " "	150 " "	27.25
No. 12	175 " "	250 " "	34.00
No. 20	225 " "	300 " "	38.00

**CLAD'S IMPROVED**

	Capacity of in. Pipe	Radiation	Price
No. 0	150 ft.	50 sq. ft.	\$10.50
No. 1	200 " "	75 " "	13.25
No. 2	400 " "	150 " "	20.00
No. 4	600 " "	300 " "	26.00

Send for full descriptive list on hot water stoves; state which style.

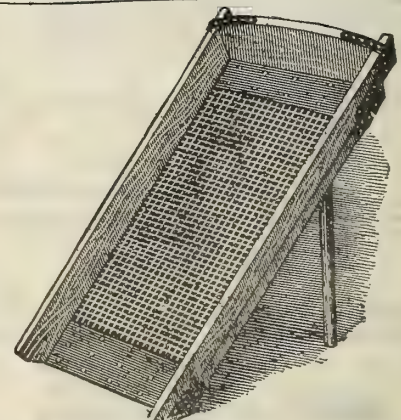
**CARRIAGE AND AUTOMOBILE HEATERS**

These heaters will keep the temperature above freezing in most any ordinary closed vehicle during the severest weather.

No.	Each
5. Single drawer, 14 in. long	\$2.25
5B. " " covered	
with Brussels carpet	2.75
5C. Single Drawer, 14 in. long, covered with Velvet carpet	3.00
7B. 20 in., Brussels carpet	4.50
7C. 20 in., with Velvet carpet	5.00
10. Three drawers. (See cut.)	7.25

Coal for Auto Heaters. 75c. per doz. bricks; per 100, \$6.00.

Tongs for Handling Hot Coals. 25c. Illustrated circular on request.



Large Upright Sieve for soil, gravel, sand, etc. Made in any size mesh, of extra heavy foundry wire, \$7.50 each.

**SOD CRUSHER AND SOIL PULVERIZER**

These machines are equipped with a hopper, and a roller, the latter being spiked. It is turned by means of a handle and crushes the soil perfectly, avoiding the necessity to sift.

No. 1, \$16.00	No. 2, \$21.00	No. 3, \$31.00
----------------	----------------	----------------



# PLANT TUBS, FLOWER POTS, SAUCERS, Etc.

## CEDAR TUBS

Equipped with Strong Iron Hoops

These are made by hand, of the very best white cedar painted green. They will be found very much superior to lower priced cedar tubs.



Cedar Plant Tub

No.	Outside Diam.	Length of stave outside	Black Iron Hoop	Galv. Hoop
No. 0....	27 in.	24 in.	\$5.50	\$6.00
No. 1....	25 "	22 "	5.00	5.50
No. 2....	23 "	20 "	4.50	4.90
No. 3....	21 "	18 "	4.00	4.40
No. 4....	19½ "	16 "	3.00	3.35
No. 5....	18 "	14 "	2.75	3.10
No. 6....	16½ "	13 "	2.25	2.55
No. 7....	15 "	12 "	2.00	2.30
No. 8....	12 "	10 "	1.75	1.95

## AZALEA POTS

Width	Height	Each	Doz.	100	1000
5 in.	4½ in.	\$0.03	\$0.30	\$1.76	\$16.00
6 "	5 "	.05	.46	2.64	24.00
7 "	6 "	.08	.70	4.20	40.00
8 "	7 "	.10	1.00	5.88	56.00
9 "	7½ "	.12	1.25	8.40	80.00
10 "	8 "	.20	1.90	11.34	108.00

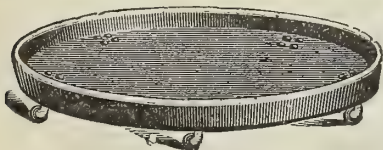
## MICHELL'S KEYSTONE PLANT TUBS



Made of white cedar, painted green and bound with strong electric welded wire hoops, which do not rust. Handles are sold separately at 10c. per pair. Specify when wanted that way.

No.	Inside Diam.	Depth	Each
6.....	11 inches	10 inches	\$0.70
7.....	12 "	11 "	.80
8.....	13 "	12 "	.90
9.....	14 "	13 "	1.00
10.....	15 "	14 "	1.25
11.....	16 "	15 "	1.35
12.....	17 "	16 "	1.50
13.....	18 "	17 "	1.75
14.....	19 "	18 "	2.00

## ROLLING STANDS (Wood Fibre)



Pot	Will fit Tub	Each	Doz.
12 inches.....	10 in.	\$0.53	\$6.00
14 ".....	12 " No. 8	1.63	7.20
16 ".....	14 " No. 8	.78	9.00
18 ".....	16 " No. 7-6	.88	10.00
20 ".....	5	1.05	12.00
22 ".....	4	1.31	15.00



## WOOD FIBRE PLANT TUBS

Complete, with saucers.

	Green Enamelled	Mahogany Color
10 inch . . . . .	\$0.95	\$0.63
12 " . . . . .	1.15	.75
14 " . . . . .	2.00	1.50
18 " . . . . .	4.73	3.95

## EARTHEN FLOWER POTS

Our Earthen Flower Pot stock is very large. We carry a full line of sizes at all times.



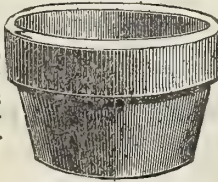
Height and Width Inside	Each	Doz.	100	1000
2 inches....	\$0.01	\$0.07	\$0.50	\$3.96
2¼ " . . . . .	.01	.08	.56	4.45
2½ " . . . . .	.02	.09	.69	5.45
3 " . . . . .	.02	.11	.88	6.93
3½ " . . . . .	.02	.14	1.06	8.41
4 " . . . . .	.02	.18	1.38	10.89
4¼ " . . . . .	.03	.20	1.56	12.37
4½ " . . . . .	.03	.24	1.88	14.85
5 " . . . . .	.03	.32	2.50	19.80
5½ " . . . . .	.05	.41	3.13	24.75
6 " . . . . .	.05	.49	3.75	29.70
6½ " . . . . .	.07	.62	4.80	44.00
7 " . . . . .	.08	.78	6.00	55.00
8 " . . . . .	.11	1.09	8.40	77.00
9 " . . . . .	.16	1.56	12.00	110.00
10 " . . . . .	.22	2.11	16.20	148.50
11 " . . . . .	.29	2.81	21.60	
12 " . . . . .	.40	3.90	30.00	
14 " . . . . .	.80	7.80	60.00	
16 hand made	1.50	13.50		

## PAPER FLOWER POTS

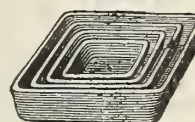
Size	Doz.	100	1000
2¼ inches . . . . .	\$0.08	\$0.35	\$3.00
2½ " . . . . .	.10	.40	3.25
3 " . . . . .	.12	.55	4.50
3½ " . . . . .	.18	.70	6.00
4 " . . . . .	.20	.95	7.50
5 " . . . . .	.25	1.40	12.50
6 " . . . . .	.30	1.80	17.00

## EARTHEN BULB PANS

These are fine for planting with bulbs of various kinds or for ferns and other compact plants.



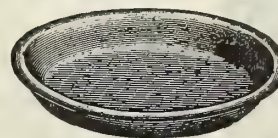
Diam. Inside	Each	Doz.	100
6 inches . . . . .	\$0.07	\$0.68	\$3.75
7 " . . . . .	.08	.78	4.80
8 " . . . . .	.10	.98	6.00
9 " . . . . .	.15	1.30	8.40
10 " . . . . .	.20	1.63	10.80
12 " . . . . .	.25	2.28	15.00
14 " . . . . .	.50	4.55	30.00
16 " . . . . .	.99	7.80	60.00
18 " . . . . .	1.25	11.70	90.00



Seed Pan

## SEED PANS Earthenware

Inches	Each	Doz.
6 . . . . .	\$0.20	\$2.00
8 . . . . .	.25	2.50
10 . . . . .	.30	3.00
12 . . . . .	.40	3.50



## WOOD FIBRE SAUCERS

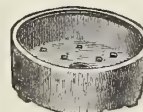
Extremely desirable on account of being absolutely waterproof. Plants put on these can be stood on the finest covering or wood-work without damage; they are also unbreakable.

	Each	Doz.	100
4 inches . . . . .	\$0.11	\$1.24	\$9.27
5 " . . . . .	.11	1.27	9.54
6 " . . . . .	.12	1.32	9.90
7 " . . . . .	.13	1.44	10.80
8 " . . . . .	.14	1.56	11.70
9 " . . . . .	.15	1.73	12.96
10 " . . . . .	.16	1.80	13.50
12 " . . . . .	.19	2.16	16.20
14 " . . . . .	.25	2.88	21.60
16 " . . . . .	.44	5.04	37.80
18 " . . . . .	.50	5.76	43.20

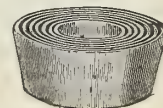


## EARTHENWARE SAUCERS

	Each	Doz.	100
4 inches . . . . .	\$0.02	\$0.15	\$1.12
5 " . . . . .	.03	.18	1.40
6 " . . . . .	.04	.24	1.88
7 " . . . . .	.05	.31	2.40
8 " . . . . .	.06	.47	3.60
9 " . . . . .	.08	.62	4.80
10 " . . . . .	.09	.78	6.00
11 " . . . . .	.11	.94	7.20
12 " . . . . .	.15	1.17	9.00
14 " . . . . .	.25	1.95	15.00



Fern Liner



## EARTHEN FERN PANS

These are suitable for putting into deep fern dishes.

Width	Height	Each	Doz.	100
4 in.	1⅞ in.	\$0.04	\$0.31	\$1.65
4¾ "	2⅞ "	.05	.33	2.20
5½ "	2¼ "	.06	.41	2.75
6¼ "	2½ "	.07	.49	3.30
7 "	2⅝ "	.09	.55	3.85
8 "	3⅞ "	.11	.79	5.50
9 "	3¾ "	.15	.95	6.60

## FERN DISH LINERS

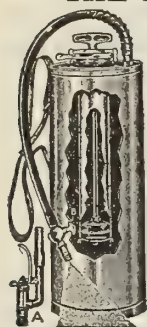
Very shallow, for inside of fancy silver or porcelain ferneries.

Width	Depth	Each	Doz.	100
7 in.	1⅞ in.	\$0.12	\$1.00	\$6.00



# MICHELL'S RELIABLE SPRAYING APPARATUS

## THE AUTO SPRAY



Auto Spray showing Auto Pop Attachment

Now used by all the large fruit growers. It operates with compressed air; safe and efficient; liquid capacity, 4 gallons; pressure capacity, 40 lbs.

No. 1-A **Brass** equipped with hose and regular nozzle, \$6.75.

No. 1-B **Brass** equipped with hose and Auto-Pop Attachment, \$7.25.

No. 1-C **Galvanized Iron** equipped with hose and regular nozzle, \$4.50.

1-D **Galvanized Iron** equipped with hose and Auto-Pop, \$5.00.

**Auto Pop Nozzle Attachment** controls the flow instantly by a pressure of the hand. When Auto Pop Attachment is purchased separately, \$1.50 each.

**The Bidwell Compressed Air Sprayer.** Capacity, 5 gallons; pressure, 45 lbs. Copper tank; brass fittings. Complete, with hose and nozzle, \$15.00.



No. 3 Paragon Sprayer

## THE PARAGON SPRAYER

Especially desirable for the reason that it is not necessary to strain the material before pouring it into the reservoir; although we recommend that this be done; guaranteed to give absolute satisfaction. Excellent for applying whitewash or cold water paint.

No. 0—A 3-gal. reservoir, 4 ft. of hose, nozzle and extension pipes. Price, \$7.50.

No. 1—With a 5-gal. reservoir, 5 ft. of hose and 2 extension pipes, \$10.00.

No. 3—Equipped with a 12-gal. tank mounted on a truck, three 2½-ft. extension pipes, 2 nozzles and 10 ft. of hose, \$15.00.

No. 4—Mounted on a two-wheel truck; equipped with 10 ft. of extension pipe, 20 ft. of hose and 2 nozzles. \$22.00.



HAND SPRAYERS

	Tin	Brass
Compressed Air.....	\$1.00	\$2.00
Cyclone.....	.50	1.00

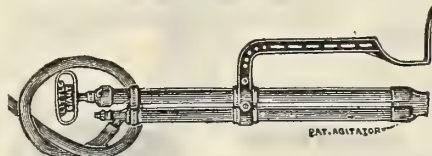
## DEMING BUCKET PUMPS



These are made entirely of brass except the foot rest, bucket fastener and hand grip. Prices do not include bucket, but include nozzle and 3½ feet of ¾-in. hose.

**Success** (without bucket fastener), \$4.15.

**Perfect Success** (with bucket fastener), \$4.35.



## MYER'S BUCKET PUMP

This is a double brass chamber arrangement, and fills the want of those desiring a medium priced sprayer. Price, \$3.00.

## SIMPLEX BARREL PUMP



Equipped with an automatic agitator. Will throw a stream forty feet.

**Plain Pump**, no hose, nozzle or barrel. \$7.50.

**Outfit A**—Pump, with 12½ ft. ½-in. hose, fitted with a Bordeaux or Vermorel nozzle and pole connection for reaching into trees, no barrel. \$10.00.

**Outfit B**—Pump, with two 12½-ft. sections of ½-in. hose, two Bordeaux or Vermorel nozzles, pole connection, no barrel. Price, \$12.50.

## CENTURY PUMP

A very powerful pump; working parts are entirely of brass; has large air chamber; also a perfect agitator.

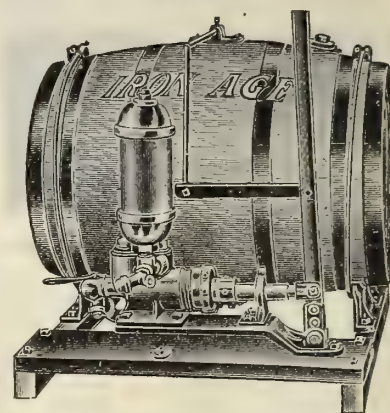
Price for pump, no barrel or hose, \$10.50.

Price, complete, with 12½-ft. ½-in. hose and nozzle, no barrel, \$13.00. Price, with two 12½-ft. leads, hose and nozzles, no barrel, \$15.00.

**Barrels**, with cut head, \$3.50.

## SPRAY NOZZLES (¾ in. Thread)

Bordeaux and Vermorel.....	each, \$0.75
Mistry, Jr.....	.90
Winkle Mist.....	.75
Paragon style.....	.35
Duplex Vermorel (2 nozzles).....	1.50
Triple Vermorel (3 nozzles).....	2.25
Quadruple Vermorel (4 nozzles).....	2.50
Duplex Mistry (2 nozzles).....	3.00
For ¾-in. connections add 25c.	



## IRON AGE SPRAYER No. 190

Equipped with a 50-gal. barrel, large air chamber pump with a pressure capacity of 125 lbs., automatic agitator, brass bronze ball valves, woven hemp packing, which is easily replaced. All working parts of the pump are outside, can be gotten at easily.

**Price**, no hose or nozzle, \$20.00; with 15 ft. ½-in. hose, 1 nozzle, \$23.50; equipped with 2 15-ft. lengths of ½-in. hose, 2 nozzles, \$27.00.

## IRON AGE SPRAYER No. 197

A perfect outfit for gardens, small farms, poultry plants, etc.; capacity, 20-gals. Pump all brass with a 6-inch stroke, large air chamber with a 100-lb. pressure capacity; bronze brass ball valves of easy access. Equipped with a perfect agitator, 4 feet of extension rod with hand grip and 4 feet of ½-in. hose, stop cock and nozzle. \$16.00.

## OTHER IRON AGE SPRAYERS

**194.** Without barrel hose or nozzle, \$10.00. Price, with 15 ft. ½-in. hose, nozzle, no barrel, \$13.50. Price, with barrel, 15 ft. ½-in. hose and nozzle, \$17.00.

**194T.** A 2½-in. iron tire wheel-truck, barrel and pump, without hose or nozzle, \$22.50, or \$26.00 with 15 ft. hose and nozzle, all complete.

**195.** Bucket equipment, like 197. Equipped with a 2-ft. extension rod, a Vermorel nozzle and 4 ft. ½-in. hose. Price, \$8.00.

## EXTENSION PIPES, Etc.

For reaching into trees, ¾-inch threads.

<b>Bamboo</b> , with brass tube, 8 ft.....	\$2.00
10 ft.....	2.50
<b>Galv. Iron</b> , 2 ft., for Auto Sprays.....	.30
<b>Brass</b> , 2 ft., for Auto Sprays.....	.45
<b>Pet Cock</b> , for extension pipes.....	.40

**Iron Age.** Fig. 419—Steel pipe 10 ft. long, with an angle connection, stop cock, 2 hand grips and drip guard, for ½-in. thread. Price, \$2.50.

**Iron Age.** Fig. 420—Bamboo casing, brass pipe inside; otherwise like Fig. 419. \$3.50.

**Paragon Extensions**, 2½ ft. 50c. each.

**Copper Strainers** for pouring solution through into pump reservoirs, \$1.00 each.

Send for a copy of Our Booklet on Spraying



# MICHELL'S RELIABLE INSECT DESTROYERS

Complete description of all Insecticides we handle will be found in our general Seed Catalog ::

93

**Ant Exterminator.** Per  $\frac{1}{4}$  lb., 20c.; per  $\frac{1}{2}$  lb., 40c.; 75c. per lb.  
**Aphine.**  $\frac{1}{4}$  pt., 25c.; 40c. per  $\frac{1}{2}$  pt.; pt., 65c.; \$1.00 per qt.; per gal., \$2.50.  
**Aphis Punk.** Excellent for aphis, thrip, white and green fly, also red spider. (For use in greenhouses only.) Per pkg., 60c.; \$6.50 per 12 pkgs.  
**Arsenate of Lead.** In paste form, and dilutes 1 lb. to 25 gals. water. Per lb., 25c.; 90c. per 5 lbs.; per 10 lbs., \$1.60; \$3.75 per 25 lbs.; \$6.00 per 50 lbs.; per 100 lbs., \$10.00.  
**Arsenate of Lead (Bowker's Disparene Brand).** 1 lb. dilutes to 25 gals. of water. 1 lb., 25c.; 5 lbs., 90c.; \$1.60 for 10 lbs.; 25 lbs., \$3.75; \$6.50 per 50 lbs.  
**Black Leaf 40.** Full directions on each package.  $\frac{1}{2}$  lb., 85c.; \$3.25 per 2 $\frac{1}{2}$  lbs.; 10 $\frac{1}{2}$  lbs., \$12.50.  
**Bordeaux Mixture.** Paste Form: 1 qt., 40c.; \$1.00 per gal.; 5 gals., \$4.50. One gallon makes 50 gallons material. Dry Form: 1 lb., 20c.; 6-lb. sack (makes 30 gals.), 60c.; 90c. per 10-lb. sack (makes 50 gals.).  
**Boro-Wax.** For painting trees to destroy and keep away borers. 45c. per qt.; 75c. per  $\frac{1}{2}$  gal.; per gal., \$1.25.  
**Bug Death.** Per lb., 15c.; 35c. per 3 lbs.; per 5 lbs., 50c.; per 12 $\frac{1}{2}$  lbs., \$1.00; \$7.50 per 100 lbs. (Special Shaker for Bug Death, 25c.).  
**Carbolineum.** A germicide and disinfectant, also an excellent wood preserver when used as a paint. \$1.25 per gal.  
**Cow Ease.** Excellent for keeping flies and gnats off domestic animals. Per qt., 35c.; \$1.00 per gal.; per 5 gals., \$4.00.  
**Copper Solution.** Per qt., 60c.; \$1.75 per gallon.  
**Dalmation or Persian Powder.** 15c. per  $\frac{1}{4}$  lb.; per lb., 45c.; \$2.00 per 5 lbs.  
**Disparene (Bowker's).** Dilute 1 lb. to 25 gals. water. Price, 25c. per lb.; 5 lbs., 90c.; \$1.60 per 10 lbs.; 25 lbs., \$3.75; \$6.50 per 50 lbs.  
**Fir Tree Oil Soap.** Per  $\frac{1}{2}$  lb., 25c.; 75c. per 2-lb. can.  
**Fungine.** An excellent remedy for fungous diseases of all kinds. 75c. per qt.; per gal., \$2.00.  
**Grape Dust.** Per 5 lbs., 40c.; 75c. per 10 lbs.; per 25 lbs., \$1.75; \$6.00 per 100 lbs.  
**Getz There Soap.** 2 lbs., 40c.; \$1.00 for 8 lbs.; 25 lbs., \$2.50.  
**Hellebore.** Per  $\frac{1}{4}$  lb., 10c.; 15c. per  $\frac{1}{2}$  lb.; per lb., 25c.; \$1.00 per 5 lbs.; per 10 lbs., \$1.85.  
**Hydrocyanic—Acid Gas (Fumigation with Cyanide Potassium) Poison.** Put four ounces of water in a galvanized iron pail; add to this 2 oz. of Sulphuric Acid, wrap an ounce of Cyanide of Potassium in paper and place it in the bucket, which should be placed near the door of the greenhouse to afford quick exit; the moment the Cyanide strikes the liquid it generates a poisonous gas which must not be inhaled. The above charge is sufficient for 1000 cubic ft. space. Don't open the greenhouse for at least 12 hours. One of the ventilating sash should be arranged so it can be opened from the outside to allow the fumes to escape entirely before entering. This is claimed to be the only and best remedy to absolutely kill the white fly. It is claimed that it will not injure the most delicate plant, but the user should take great care of himself. **Cyanide of Potassium (Poison),** per  $\frac{1}{4}$  lb., 25c.; 50c. per lb. **Sulphuric Acid,** lb., 30c.  
**Kerosene Emulsion.** PASTE: Per lb., 20c.; per 5-lb. can, 75c.; per 25-lb. can, \$3.00. LIQUID: Per qt., 40c.; per gal., \$1.00; \$4.50 per 5 gals.  
**Kil-o-Scale.** Per pt., 30c.; 50c. per qt.; per  $\frac{1}{2}$  gal., 75c.; per gal., \$1.25; \$5.00 per 5 gals.; per 25 gals., \$21.25; per 50 gals., \$42.50.  
**Lemon Oil Co.'s Insecticide.** Half pt., 25c.; pt., 40c.; qt., 75c.; half gal., \$1.25; gal., \$2.00; 5-gal. kegs, \$9.00; 10-gal. kegs, \$17.50.  
**Lime Sulphur (Scalime).** 25c. qt.;  $\frac{1}{2}$  gal., 45c.; 75c. gal.; 5 gals., \$1.75; \$3.00 for 10 gals.; 25 gals., \$5.50; \$9.00 per 50 gals.  
**Lime Sulphur (Bowker's Concentrated).** 75c. per gal.; 5 gals., \$2.25; \$4.00 per 10 gals.; 25 gals., \$7.00; \$11.50 per 50-gal. bbl.



**CARBONDALE HYDROMETERS**

These are highly recommended by the Pennsylvania State Department of Agriculture for testing the gravity of Lime Sulphur solution; one should be in the hands of every man who uses this material. Price, 85c. (Postpaid, \$1.00.) With directions.

**Nikotiana.** \$1.25 per qt.; per gal., \$4.00.  
**Nicoticide.** Per  $\frac{1}{4}$  pt., 70c.; per  $\frac{1}{2}$  pt., \$1.25; per pt., \$2.50; per qt., \$4.50; \$8.25 per  $\frac{1}{2}$  gal.; 1 gal., \$15.00. (LAMPS for Nicoticide, 50c. each.)  
**Nico-Fume (Liquid).** Per  $\frac{1}{4}$  pt., 50c.; per pt., \$1.50; per  $\frac{1}{2}$  gal., \$5.50; per gal., \$10.50.  
**Nico-Fume.** Per box, 24 sheets, 75c.; per 144 sheets, \$3.50; per 288 sheets, \$6.50.  
**Nikoteen.** \$1.50 per pt.; per 10 pts., \$14.00.  
**Paris Green.** 10c. per  $\frac{1}{4}$  lb.; per  $\frac{1}{2}$  lb., 20c.; 30c. per lb.; \$1.25 per 5 lbs.; per 14 lbs., \$3.25.  
**Pyrox (Bowker's).** Dilute 1 lb. to 5 gals. water. 25c. per lb.; 5 lbs., \$1.00; \$1.75 per 10 lbs.; 25 lbs., \$4.00; 50 lbs., \$7.50; \$13.50 per 100 lbs.; 300 lbs., \$38.00; \$60.00 per 500 lbs.  
**Rat Corn.** 15c., 25c., 50c. and \$1.00 per box.  
**Readeana Rose Bug Exterminator.** Used for destroying rose bugs, green fly, mealy bug, blight, mildew, etc. Small pkgs., 50c.; \$1.00 per large pkg.  
**Sulphocide.** 50c. pt.; qt., 75c.; \$2.00 per gal.  
**Scalecide.** Dilute at the rate of one gallon Scalecide to 20 gallons water. 45c. per qt.; per gal., \$1.00; \$3.25 per 5 gals.; 10 gals., \$6.00; \$16.00 per 30-gal. bbl.; per 30-gal. jacketed tin, \$15.00; \$25.00 per 50-gal. bbl.  
**Scale Destroyer (Target Brand).** Per qt., 35c.; 65c. per  $\frac{1}{2}$  gal.; per gal., \$1.00; \$3.75 per 5 gals.; 10 gals., \$7.50; 25-gal. bbl., \$12.50; per 50-gal. bbl., \$23.00.  
**Shoo Fly.** For keeping flies off cattle and horses. Per qt., 35c.; \$1.00 per gal.  
**Slug Shot.** 15c. per canister; per 5 lbs., 30c.; 60c. per 10 lbs.; 25 lbs., \$1.50; \$2.50 per 50 lbs.; 100 lbs., \$5.00. Full bbl. lots (about 250 lbs.),  $\frac{4}{5}$ c. per lb., f. o. b. factory;  $\frac{4}{3}$ c. per lb., f. o. b. Philadelphia.  
**Sulphate of Copper.** Per lb., 15c.; \$1.25 per 10 lbs.; 25 lbs., \$2.50; \$8.50 per 100 lbs.  
**Sulphur.** Per lb., 7c.; 30c. per 5 lbs.; 25 lbs., \$1.25; \$4.00 per 100 lbs.  
**Sulphur Candles.** Large, 20c. each; per doz., \$2.00; small, 10c. each; per doz., \$1.00.  
**Sulpho Tobacco Soap.** Per 3-oz. package, 10c.; 20c. per 8-oz. package.  
**Thymo Cresol (Sheep Dip).** Per 4-oz. bottle, 25c.; 40c. per 8-oz. bottle; per qt., 70c.; \$1.10 per  $\frac{1}{2}$  gal.; per gal., \$2.00.  
**Tobacco Dust** for dusting only. Per lb., 10c.; 25c. per 5 lbs.; per 10 lbs., 45c.; \$1.00 per 25 lbs.; 100 lbs., \$3.50.  
**Tobacco Dust (Special).** For either fumigating or dusting. 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.35; \$2.25 per 50 lbs.; 100 lbs., \$4.00.  
**Tobacco Soap (Sulpho).** 3-oz. cake, 10c.; 20c. per 8-oz. cake.  
**Tobacco Stems (Fresh).** Per lb., 5c.; 20c. per 5 lbs.; per bu., 50c.; \$1.00 per bbl. bag; per large bale, \$2.00; \$6.50 per half ton; per ton, \$12.00.  
**To-Bak-Ine Fumigating Paper.** Per package of 24 sheets, \$1.00; \$8.00 per box of 244 sheets.  
**To-Bak-Ine Liquid.** For fumigating and spraying; state which is wanted when ordering. Price of either: Per  $\frac{1}{8}$  pt., 50c.; per  $\frac{1}{4}$  pt., 75c.; \$1.35 per  $\frac{1}{2}$  pt.; per pt., \$2.50; per gal., \$17.50.  
**Tree Tanglefoot.** Per lb., 30c.; 3-lb. cans, 85c.; 10-lb. cans, \$2.65; \$4.80 per 20 lbs.  
**Vaporite.** 1 lb., 15c.; 60c. per 5 lbs.; 10 lbs., 90c.; \$2.00 for 25 lbs.; 50 lbs., \$3.75; \$6.50 per 100 lbs.  
**Vermine.** \$1.00 per qt.; per gal., \$3.00.  
**Whale or Fish Oil Soap.** Per  $\frac{1}{2}$  lb., 10c.; 20c. per lb.; per 5 lbs., 60c.; \$1.10 per 10 lbs.; per 25 lbs., \$2.00; \$6.50 per 100 lbs.  
**Whale Oil Soap (Good's Caustic).** 1 lb. to 10 gals. water. 20c. per 1-lb. can; 5-lb. can, 75c.; \$1.75 per 25-lb. can; 50 lbs., \$3.25; \$5.00 per 100 lbs. Barrel lots of about 425 lbs. at  $\frac{4}{5}$ c. lb.  
**Wilson's Plant Oil.** Per pt., 40c.; 75c. per qt.; per gal., \$2.00.  
**Worm Eradicator (Reade's Electric).** Per bottle, 50c.; \$1.00 per 24-oz. bottle; \$4.00 per gal.; \$17.50 per 5 gals.; 10 gals., \$35.00.  
**Worm Eradicating Fertilizer (Carter's).** This preparation acts as a fertilizer as well as a worm destroyer. In 100-lb. bags only, \$5.00; \$37.50 per 1000 lbs.; 2000 lbs., \$67.50. Apply at the rate of  $\frac{1}{2}$  lb. per square yard.  
**Worm Eradicator (Radix).** One gallon makes 100 gallons of treating liquid. \$2.00 per gal.; per 5 gals., \$9.25; \$37.50 per 25 gals. Powder form: 1 lb. making 30 gallons of liquid. 60c. per lb.; per 25 lbs., \$12.50; \$22.50 per 50 lbs.; per 100 lbs., \$40.00.

Prices on Insect Destroyers are subject to market changes

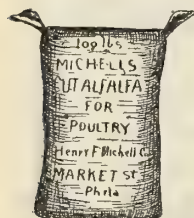


# POULTRY AND ANIMAL FOODS AND TONICS

ALL PRICES SUBJECT TO MARKET CHANGES



**Bone (Ground).** We have a fine and a coarse grade (always state which is wanted when ordering). 5 lbs. 25c., 40c. for 10 lbs., 25 lbs. 75c., \$1.35 for 50 lbs., 100 lbs. \$2.50.



**Alfalfa Hay (Cut).** 5 lbs. 25c., 40c. for 10 lbs., 25 lbs. 75c., \$1.35 for 50 lbs., 100 lbs. \$2.50.

**Alfalfa Meal.** 5 lbs. 25c., 40c. per 10 lbs., 25 lbs. 75c., \$1.35 for 50 lbs., 100 lbs. \$2.50.

**Animal Meal (Bowker's).** 5 lbs. 20c., 40c. per 10 lbs., 75c. for 25 lbs., 50 lbs. \$1.35, \$2.50 per 100 lbs., 500 lbs. \$11.25.

**Animal Regulator (Pratt's).** 25c. and 50c. pkg.

**Barley.** Price, 10c. per quart. (Larger quantity, price on application.)

**Bone Meal.** For feeding chicks and using in the mash. 5 lbs. 25c., 40c. per 10 lbs., 25 lbs. 75c., 50 lbs. \$1.50, 100 lbs. \$2.75.

**Bran (Wheat).** For mash, etc. 5 lbs. 20c., 60c. per 25 lbs., 100 lbs. \$2.00.

**Broken Rice.** 1 lb. 6c., 30c. for 5 lbs., 10 lbs. 55c., \$1.25 for 25 lbs. (Price in large quantity on application.)

**Buckwheat.** Price, 10c. per quart. (Larger quantity, price on application.)

**Cake Meal.** 5 lbs. 25c., 90c. per 25 lbs., 100 lbs. \$3.15.

**Calf Meal (Blatchford's).** \$2.00 per 50 lbs., 100 lbs. \$3.75.

**Canada Peas.** Price, 10c. per quart. (Price on large quantities on application.)

**Cat Food (Spratt's).** Per carton, 25c.

**Catnip Balls.** 15c. each, doz. \$1.30.

**Cattle Regulator (Pratt's).** 5 lbs. 50c., 75c. for 12 lbs., 25 lbs. \$1.50, \$3.00 per 50 lbs.

**Charcoal.** Two grades, **fine and coarse**; state which you wish when ordering. Price: 1 lb. 7c., 30c. for 5 lbs., 10 lbs. 45c., 75c. for 25 lbs., per 100 lbs. \$2.50, \$10.00 for 500 lbs.

**Chicgrain (Spratt's).** Per carton 25c., 5 lbs. 30c., 55c. per 10 lbs., 25 lbs. \$1.00, \$1.90 per 50 lbs., 100 lbs. \$3.50.

**Chick Food (Cypher's).** 5 lbs. 25c., 45c. per 10 lbs., 25 lbs. 90c., \$3.00 per 100 lbs.

**Chick Food (Michell's).** 5 lbs. 25c., 40c. for 10 lbs., 25 lbs. 90c., \$1.50 for 50 lbs., \$2.75 per 100 lbs., 500 lbs. \$12.50.

**Chick Food (Park and Pollard).** 5 lbs. 25c., 40c. per 10 lbs., 25 lbs. 80c., \$1.50 per 50 lbs., 100 lbs. \$2.75.

**Chick Food (Pratt's).** For newly hatched chicks. 1 lb. 10c., 3 lbs. 25c., 6 lbs. 50c., \$1.00 per 14 lbs.

**Chick Manna.** Price: 1 lb. 10c., 5 lbs. 40c., 15 lbs. \$1.10, 60-lb. case, in bulk, \$4.20.

**Chick Meal (Spratt's No. 5).** 25c. per carton, 40c. per 5 lbs., 10 lbs. 70c., \$1.50 per 25 lbs., 50 lbs. \$2.85, \$5.50 per 100 lbs.

**Climax Condition Powder (Rust's).** Price: 25c., 50c., \$1.00 and \$1.50 per package.

**Condition Powder (Sheridan's).** A natural stimulant and persuader for the hen. 25c. package, 2 1/4 lb. can. 75c.

**Conkey's Laying Tonic.** 25c. pkg.

**Corn Meal (Special Process).** 5 lbs. 20c., 65c. 25 lbs., 100 lbs. \$2.25.



**Cow Kure.** A tonic for cows and heifers. 50c. per can.

**Cracked Corn.** 4c. per lb., 5 lbs. 15c., 30c. for 10 lbs., 50 lbs. \$1.10, \$2.00 per 100 lbs.

**Crissell (Spratt's).** 5 lbs. 35c., 60c. per 10 lbs., 25 lbs. \$1.25, \$4.50 per 100 lbs.

**Cut Clover Hay.** 5 lbs. 25c., 40c. for 10 lbs., 25 lbs. 75c., \$1.35 for 50 lbs., 100 lbs. \$2.50, 500 lbs. \$11.25.

**Developing Food (Michell's).** 5 lbs. 25c., 40c. for 10 lbs., 25 lbs. 75c., \$1.50 per 50 lbs., 100 lbs. \$2.50, \$11.25 for 500 lbs.

**Dog Cakes (Spratt's).** 3-lb. pkg. 25c., 6-lb. pkg. 50c., 25-lb. box, \$1.85, 50-lb. box \$3.50, 100-lb. box \$6.50.

**Dried Blood Flour.** 1 lb. 10c., 50c. per 5 lbs., 10 lbs. 85c., \$1.75 for 25 lbs., 100 lbs. \$6.00.

**Egg Food (Imperial).** 26-oz. packages, 25c., 50c. for 60 ovs.

**Egg Maker and Chick Grower (Lee's).** 2 1/2 lbs. 25c., \$2.00 per 25-lb. pail.

**Egg Producer (Rust's).** 1 lb. 25c., 50c. for 2 1/2 lbs., 6 lbs. \$1.00.

**Egg Salt (German).** Price: 2-oz. box 25c., 50c. for 4 ovs., 1/2 lb. 80c., \$1.50 per lb.

**English Salt Cat.** Price, 10c. per brick, 60c. for 6, \$1.10 per doz.

**Fairfield's Poultry Regulator.** A general tonic and egg producer. Large size 50c., small size 25c.

**Gluten Meal.** 5 lbs. 20c., 75c. for 25 lbs., 100 lbs. \$2.10.

**Grit (Mica Crystal).** Fine, medium and coarse. 5 lbs. 15c., 40c. for 25 lbs., 50 lbs. 60c., 100 lbs. 85c., \$3.50 per 500 lbs., 1/2-ton \$6.50, \$12.00 per ton. (Special price F. O. B. Factory.)

**Grit (Red Cross Health).** For pigeons. 5 lbs. 20c., 35c. for 10 lbs., 25 lbs. 50c., 90c. for 50 lbs., 100 lbs. \$1.50, \$2.50 per ton.

**Ground Oats.** 5 lbs. 20c., 75c. for 25 lbs., 100 lbs. \$2.10.

**Growing Food (Park and Pollard).** 5 lbs. 25c., 40c. per 10 lbs., 25 lbs. 75c., \$1.35 per 50 lbs., 100 lbs. \$2.50.

**Hemp Seed.** 12c. per quart, 50c. per peck, \$1.75 per bushel.

**Hen-e-Ta Bone Grits.** No. 1 for chicks and young fowls. No. 3 for large or grown fowls. 5 lbs. 30c., 50c. per 10 lbs., 25 lbs. \$1.00, \$1.50 per 50 lbs., 100 lbs. \$2.25, \$10.75 per 500 lbs.

**Hulled Oats.** 6c. per lb., 25c. per 5 lbs. (Prices on larger lots on application.)

**Kaffir Corn.** 10c. qt. (Price on larger quantities on application.)

**Linseed Meal.** 10c. per lb., 45c. per 5 lbs., \$2.00 for 25 lbs.

**Mash Food (Michell's).** 5 lbs. 25c., 40c. per 10 lbs., 25 lbs. 75c., \$1.25 per 50 lbs., 100 lbs. \$2.25, \$11.00 per 500 lbs.

**Mash Food (Park and Pollard).** 5 lbs. 25c., 40c. per 10 lbs., 25 lbs. 75c., \$1.35 per 50 lbs., 100 lbs. \$2.50.

**Meat (Prepared).** Price: 5 lbs. 25c., 10 lbs. 40c., 25 lbs. 90c., 50 lbs. \$1.75, 100 lbs. \$3.25, 500 lbs. \$15.75, half-ton \$30.00, \$55.00 per ton.

**Middlings.** 5 lbs. 20c., 75c. for 25 lbs., 100 lbs. \$2.50.

**Milk Albumen.** 5 lbs. 30c., 55c. per 10 lbs., 25 lbs. \$1.25, \$2.00 per 50 lbs., 100 lbs. \$3.50.

**Millet (For Feeding).** 10c. per quart, 4 quarts 25c., 40c. per peck, per bushel \$1.30.

**Oats.** For feeding poultry. 4 qts. 20c., 30c. peck, bu. 90c.

**Oat Meal (Pin Head).** 5 lbs. 35c., 65c. for 10 lbs., 25 lbs. \$1.50, \$5.00 per 100 lbs.

**Oyster Shell.** 5 lbs. 10c., 40c. for 25 lbs., 50 lbs. 60c., 75c. per 100 lbs., 500 lbs. \$3.25, \$10.00 per ton.

**Pheasant Meal (Spratt's).** No. 12 Fine, No. 5 Coarse. State which is wanted when ordering. 5 lbs. 40c., 70c. per 10 lbs., 25 lbs. \$1.35, \$2.65 per 50 lbs., 100 lbs. \$5.25.

**Poultry Food (Spratt's No. 3).** 5 lbs. 40c., 70c. for 10 lbs., 25 lbs. \$1.35, \$2.65 per 50 lbs., \$5.25 per 100 lbs.

**Poultry Powder (Barker's).** A general condition powder for horses and cattle. Packages 25c.

**Poultry or Scratch Food (Michell's).** 5 lbs. 20c., 40c. per 10 lbs., 25 lbs. 75c., \$1.25 per 50 lbs., 100 lbs. \$2.25, \$11.00 per 500 lbs., 1000 lbs. \$21.00, \$41.00 per ton.

**Poultry or Scratch Food (Park and Pollard).** 5 lbs. 20c., 40c. per 10 lbs., 25 lbs. 75c., \$1.25 per 50 lbs., 100 lbs. \$2.25.

**Pratt's Poultry Regulator.** Price: 8-oz. packages 10c., 26-oz. packages 25c., 50c. per 4-lb. package, 12 lbs. \$1.25, \$2.50 for 25 lbs., 50 lbs. \$5.00, \$9.00 per 100 lbs.

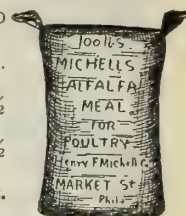
**Prepared Pigeon Food.** 5 lbs. 25c., 40c. per 10 lbs., 25 lbs. 90c., \$1.25 per 50 lbs., 100 lbs. \$2.50, \$11.75 per 500 lbs.

**Puppy Cakes (Spratt's).** 3-lb. pkg. 30c., 6-lb. pkg. 60c., 25-lb. box \$2.00, 50-lb. box \$3.65, 100-lb. box \$7.00.

**Scratch or Poultry Food (Spratt's).** 5 lbs. 25c., 45c. per 10 lbs., 25 lbs. 90c., \$1.75 per 50 lbs., 100 lbs. \$3.25.

**Sunflower Seed.** 10c. qt., 4 qts. 30c., 55c. peck, bushel \$1.75.

**Wheat Screenings.** 5 lbs. 20c., 75c. per 25 lbs., 100 lbs. \$2.25.









# 96 **Michell's Reliable Fertilizers**

Complete description will be found  
in our general Seed Catalog

**Animal Bone and Potash.** Apply at the rate of 400 to 600 lbs. per acre. Per 200-lb. bag, \$3.25; \$13.50 per ½ ton; per ton, \$26.00.

**Ashes (Canadian Hard Wood).**

Apply 1000 lbs. per acre. 5 lbs. 20c.; 35c. per 10 lbs.; 25 lbs. 60c.; \$1.00 per 50 lbs.; 100 lbs. \$1.50; \$2.50 per 200-lb. barrel; 1000 lbs. \$11.50; \$22.00 per ton.

**Asparagus Fertilizer (Pure Bone and Potash).**

Apply 600 lbs. per acre. 85c. per 25 lbs.; 50 lbs., \$1.25; \$2.25 per 100 lbs.; 200 lbs., \$4.25; \$37.50 per ton.

**Basic Slag.** (See Phosphate.)

**Blood (Dried).** 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.25; \$2.00 per 50 lbs.; 100 lbs., \$3.75; \$6.75 per 200 lbs.

**Blood, Bone and Potash.** Per 100 lbs., \$2.50; \$4.50 per 200 lbs.; per ½ ton, \$19.00; \$37.00 per ton.

**Blood Flour.** 5 lbs., 50c.; 85c. per 10 lbs.; 25 lbs., \$1.75; \$3.25 per 50 lbs.; 100 lbs., \$6.00; \$11.50 per 200 lbs.

**Bon Arbor.** 1 gal., \$2.00; \$9.25 per 5 gals. In powder form, dilutes 1 lb. of powder to 30 gallons of water. ¼-lb. can, 25c.; per ½ lb., 50c.; \$1.80 per 5 lbs.; 50 lbs. at 25c. per lb.; 100 lbs. at 20c. per lb.; bbls. (200 to 250 lbs.), 18c. per lb.

**Bone (Coarse Cracked).** Per 200 lbs., \$5.00; \$22.50 per ½ ton; per ton, \$42.50.

**Bone (Coarse Ground).** Apply 600 to 800 lbs. per acre. 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 85c.; \$1.50 per 50 lbs.; 100 lbs., \$2.50; \$4.00 per 200 lbs.; per ton \$35.00.

**Bone Flour.** 5 lbs., 30c.; 45c. per 10 lbs.; 25 lbs., \$1.00; \$1.50 per 50 lbs.; 100 lbs., \$2.50; \$4.50 per 200 lbs.; ton, \$40.00.

**Bone Meal (Pure Ground Bone).** 3 lbs., 15c.; 25c. for 5 lbs.; 10 lbs., 40c.; 75c. per 25 lbs.; 50 lbs., \$1.25; \$2.00 per 100 lbs.; 200 lbs., \$3.75; \$33.00 per ton.

**Bone Meal (Michell's Special Grade).** 100 lbs., \$2.25; \$4.00 per 200 lbs.; ton \$35.00.

**Bonora.** 25c. per trial pkg.; 50c. per lb.; \$2.50 per 5 lbs.

**Button Bone.** Same price as Michell's Special Bone Meal.

**Clay's Fertilizer.** 15c. per lb.; 5 lbs., 60c.; \$1.10 per 10 lbs.; 28 lbs., \$2.00; \$3.50 per 56 lbs.; 112 lbs., \$6.50.

**Climax Lawn Sand.** 3½-lb. can, 40c.; 7-lb. can, 75c.; 14-lb. can, \$1.25; 28-lb. pkg., \$2.00; 56-lb. pkg., \$3.50; 112-lb. pkg., \$6.00; 560 lbs., \$25.00; 1120 lbs., \$45.00.

**Copperas (Sulphate of Iron).** 25 lbs., 75c.; 50 lbs., \$1.25; 100 lbs., \$1.75; 200 lbs., \$2.50; 500 lbs., \$5.75; 1000 lbs., \$11.00.

**Cotton Seed Meal.** 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 85c.; \$1.50 per 50 lbs.; 100 lbs., \$2.75; \$5.00 per 200 lbs.; ton, \$40.00.

**Cow or Cattle Manure (Shredded).** In 100-lb. sacks only. \$2.00 per 100 lbs.; 500 lbs., \$9.00; \$16.00 per 1000 lbs.; ton, \$30.00.

**Evergreen Brand Fertilizer.** ½ lb., 25c.; 50c. for 1½-lb. pkg.; 5 lbs., \$1.00; \$2.00 per 12 lbs.; 50 lbs., \$8.00.

**Farmo-Germ.** (See page 62.)

**Fish Guano or Dried Fish.** In 200-lb. sacks only, \$6.00; \$52.50 per ton.

**Guano (Pure Peruvian).** 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., 90c.; \$2.75 per 100 lbs.; 200 lbs., \$5.00; \$45.00 per ton.

**Horn Shavings.** 10c. per lb.; 5 lbs., 40c.; \$1.75 per 25 lbs.; 50 lbs., \$2.75; \$5.00 per 100 lbs.

**Kainit (Potash Salts).** 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 50c.; \$1.25 100 lbs.; 200 lbs., \$2.00; \$15.00 ton.

**Lawn Dressing (Michell's Odorless).** 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$5.00 per 200 lbs.; 1000 lbs., \$21.00; \$40.00 per ton.

**Land Plaster.** 5 lbs., 15c.; 30c. per 25 lbs.; 50 lbs., 50c.; 85c. per 100 lbs.; 200 lbs., \$1.50; \$10.00 per ton.

**Lime (Ammoniated Lawn).** (Destroys Weeds in 48 Hours.) 2-lb. tin, 30c.; 60c. for 5 lbs.; 25 lbs., \$2.00; \$6.00 per 100 lbs.

**Lime (Hydrated or Powdered).** Per 128-lb. sack, \$1.25; 640 lbs., \$4.75; ton, \$12.50. Special price in carload lots.



**Lime (Lump or Land).** In carload lots only; price on application. Apply 2500 to 3500 lbs. per acre.

**Manure (Dried Pulverized Horse).** In 100-lb. bags only. Per 100 lbs., \$2.25; \$10.50 for 500 lbs.; 1000 lbs., \$17.50; \$32.00 ton.

**Manure. (Fresh Horse or Cow).** Supplied in carload lots only. Prices quoted on request.

**MAPES' CELEBRATED FERTILIZERS.** No less than 200-lb. sacks of Mapes' fertilizers are sold. F. O. B. Factory. F. O. B. Phila.

	200 lbs.	Ton	200 lbs.	Ton
Potato Manure .....	\$4.20	\$39.00	\$4.50	\$42.00
Corn Manure .....	3.95	37.00	4.25	40.00
Complete Manure, for general use..	4.20	39.00	4.50	42.00
Complete Manure, for heavy soils..	4.45	42.00	4.75	45.00
Complete Manure, for light soils...	4.55	44.00	4.85	47.00
Vegetable Manure, for all soils...	4.55	44.00	4.85	47.00
Early Vegetable and Truck Manure	4.55	44.00	4.85	47.00

**Nitrate of Soda.** 8c. lb.; 5 lbs., 30c.; 55c. per 10 lbs.; 25 lbs., \$1.25; \$2.25 per 50 lbs.; 100 lbs., \$4.25; \$7.75 per 200 lbs.; ½ ton, \$36.50; \$70.00 per ton.

**Plant Food (Michell's).** For house use. 15c. per ½-lb. pkg. (by mail, 24c.).

**Plant Food (Bowker's).** ½ lb., 15c.; 1 lb., 25c.

**Muriate of Potash.** Apply 100 to 150 lbs. per acre. 1 lb., 10c.; 35c. per 5 lbs.; 10 lbs., 50c.; \$1.15 per 25 lbs.; 50 lbs., \$1.75; \$3.25 per 100 lbs.; 200 lbs., \$6.00.

**Peruvian Guano Substitute.** Per 25 lbs., 85c.; \$1.50 per 50 lbs.; per 100 lbs., \$2.65; \$4.00 per 200 lbs.; per ton, \$37.00.

**Phosphate for Corn (Phosphate and Potash).** Per 200 lbs., \$3.25; per ½ ton, \$13.00; \$25.00 per ton.

**Phosphate (High Grade Acid or Rock).** Apply 1000 lbs. per acre. In 200-lb. sacks only, \$2.00; \$14.50 per ton.

**Phosphate (Michell's High Grade Ammoniated).** Apply 600 lbs. per acre. 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 60c.; \$1.00 per 50 lbs.; 100 lbs., \$1.75; \$3.00 per 200 lbs.; ton, \$25.00.

**Phosphate (Thomas' Basic Slag).** Apply 600 to 800 lbs. per acre. \$2.75 per 200-lb. bag; per ton, \$22.00.

**Potato Phosphate (Michell's Hi-Grade).** Apply 400 to 600 lbs. per acre. 25 lbs., 85c.; \$1.25 per 50 lbs.; 100 lbs., \$2.25; \$4.00 per 200 lbs.; ½ ton, \$18.00; ton, \$35.00.

**Potato Manure (Baugh's).** 25 lbs., 75c.; \$1.10 per 50 lbs.; per 100 lbs., \$2.00; \$3.50 per 200 lbs.; per ton, \$30.00.

**Poudrette (Native Guano).** 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 60c.; \$1.00 per 50 lbs.; 100 lbs., \$1.50; \$2.75 per 200 lbs.; 600 lbs., \$6.00; \$9.50 per 1000 lbs.; per ton, \$18.00.

**Salt.** Apply 800 lbs. per acre. 10 lbs., 20c.; 30c. for 25 lbs.; 50 lbs., 55c.; \$1.00 per 100 lbs.; 200 lbs., \$1.50; \$10.00 per ton.

**Sheep Droppings (Natural, not pulverized).** 100-lb. bags, \$3.25; \$12.50 per 500 lbs.

**Sheep Manure (Wizard Brand).** 1000 lbs. per acre. 2 lbs., 15c.; 25c. per 5 lbs.; 10 lbs., 40c.; 75c. per 25 lbs.; 50 lbs., \$1.25; \$2.00 per 100 lbs.; 500 lbs., \$9.00; \$16.00 per 1000 lbs.; per ton, \$30.00.

**Soot (Imported Scotch).** 10c. lb.; 5 lbs., 35c.; \$1.00 per 25 lbs.; 100 lbs., \$3.50.

**Sulphate of Ammonia.** 1 lb., 10c.; 35c. per 5 lbs.; 10 lbs., 60c.; \$1.35 per 25 lbs.; 50 lbs., \$2.50; \$4.50 per 100 lbs.; 200 lbs., \$8.50.

**Sulphate of Potash.** 10c. per lb.; 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \$1.50; \$2.25 per 50 lbs.; 100 lbs., \$4.00; \$7.25 per 200 lbs.

**Tankage.** 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.00; \$1.50 per 50 lbs.; 100 lbs., \$2.50; \$4.25 per 200 lbs.; ton, \$39.00.

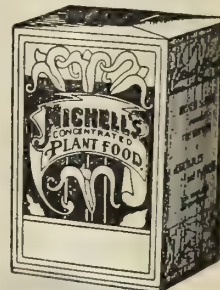
**Thomson's Special Chrysanthemum Manure.** Per 28-lb. sack, \$4.50; \$7.50 per 56-lb. sack.

**Thomson's Special Flower, Vegetable and Vine Manure.** 15c. lb.; 5 lbs., 60c.; \$1.10 per 10 lbs.; 28 lbs., \$1.75; \$3.25 per 56 lbs.; 112 lbs., \$6.25.

**Tobacco Stems.** 1 lb., 5c.; 20c. per 5 lbs.; per bushel, 50c.; \$1.00 per barrel sack; large bales, \$2.00; \$6.50 per ½ ton; ton, \$12.00.

**Wood Ashes.** See Ashes.

**Wheat Fertilizer.** Apply 500 to 600 lbs. per acre. 200 lbs., \$3.25; ½ ton, \$13.00; \$25.00 per ton.

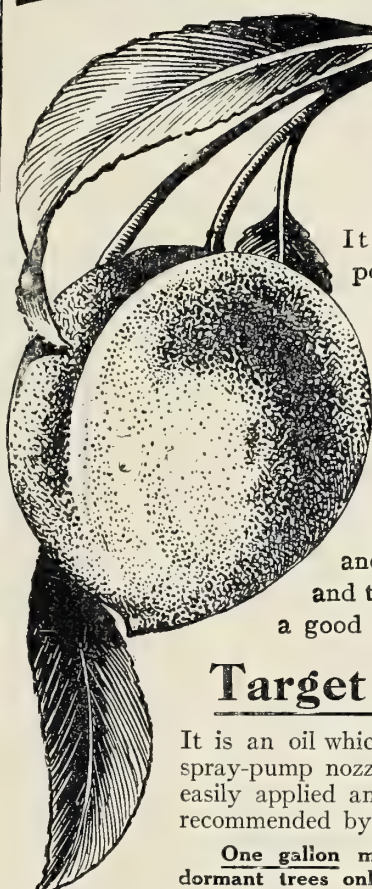


Prices on Fertilizers subject to Market Changes



# FALL IS THE BEST TIME TO SPRAY

## FOR PERFECT FRUIT



It will positively kill San José Scale without injury to the trees. Orchards treated with this preparation are freed from the ravages of scale and similar insects, and continue healthy and prolific. No skilled labor is required, and the only apparatus and material needed are a good spray-pump, water, and

Spray your trees—that is the only safe way. **SAN JOSÉ SCALE** and similar pests can no longer damage orchards to any appreciable extent, nor prevent an abundant fruit crop, if sprayed with

### Target Brand Scale Destroyer

It is the most effective destroyer of Scale ever placed on the market.



### Target Brand Scale Destroyer

It is an oil which is instantly soluble in water and passes through any spray-pump nozzles without clogging. It is economical, quickly prepared, easily applied and does its work rapidly and effectually. Endorsed and recommended by fruit-growers everywhere.

One gallon makes twenty gallons solution ready to apply. For use on dormant trees only (while the leaves are off during fall, winter and spring)

Target Brand Scale Destroyer costs 35 cents per qt., 65 cents per half gal., \$1 per gal., \$3.75 per five gals., \$7.50 per 10 gals.; half barrel 50 cents per gal.; 50-gal. barrels at 46 cents per gal.

### TESTS OF TARGET BRAND SCALE DESTROYER

Experiment on Peach. Insect Pest—San José Scale Remedy—Target Brand Scale Destroyer, 1 part to 20 parts water. Result 100 per cent. Killed all scale it touched.—MISSOURI STATE FRUIT EXPERIMENT STATION, Mountain Grove, Mo.

Experiment on Maple Scale. Remedy—Target Brand Scale Destroyer, 1 part to 15 parts of water. Result—Not more than one specimen found alive in 571 scale examined. Trees in good, healthy condition.—STATE ENTOMOLOGIST, Richmond, Va.

## LIME-SULPHUR (Scalime)

This is now extensively used for spraying against scale; desirable for peach trees and other stone fruits. It is a fungicide as well as a scale destroyer, and is highly effective. Dilute for dormant trees 1 gal. to 12 gals. of water, either hot or cold. Mixes instantly and does not separate.

Quart can	\$0 25
½-gal. can	45
1-gal. can	75
5-gal. can	1 75
10-gal. can	3 00
25-gal. bbl.	5 50
50-gal. bbl.	9 00

A. H. D. C.



**Henry F. Mitchell Co.,**

"EVERGREEN" SEED GARDENS, TORRESDALE, PA

A fine Specimen of Peach Tree, Sprayed regularly against infection by San Jose Scale

**518 Market St., Phila.**







# THE NEW SCARLET BEDDING GERANIUM "HELEN MICHELL"

The only new variety of Plant awarded a **CERTIFICATE of MERIT**  
at the National Flower Show, New York City, April, 1913.  
For full description, see back of this Color Plate.

Ready for delivery, beginning  
January, 1914. From 2½"  
pots 35c each; per dozen,  
\$4.00; \$30.00 per hundred,  
4" pot plants, ready in May,  
1914, 50c each; doz., \$5.00.  
All orders filled in rotation.  
See back of this color plate  
for full description of this  
wonderful New Geranium.



**Henry F. Michell Co.**  
INTRODUCERS  
518 Market St.  
Philadelphia, Pa.



# The New Clear Scarlet "HELEN MICHELL" BEDDING GERANIUM—

(Name registered with S. A. F. & O. H.)

(Cross-Seedling Jean Viaud X Alphonse Ricard)

OUR CLAIM for this novelty is that it surpasses all other Scarlet Geraniums.

- |                                    |   |
|------------------------------------|---|
| (1). In brilliancy of color.       | (6). In constancy of bloom.               |
| (2). In size of bloom.             | (7). In propagating quality.              |
| (3). In number of flower clusters. | (8). In a wonderful ability to retain its |
| (4). In vigor and strength.        | brilliancy of color in the hottest        |
| (5). In earliness of bloom.        | of weather.                               |

We have observed this Geranium for several years and present the above claims as based upon personal experience and observation.

"HELEN MICHELL" IS SEMI-DOUBLE OF THE CLEAREST POSSIBLE SHADE OF SCARLET, IS EARLY IN BLOOM, AND FLOWERS VERY FREELY DURING THE ENTIRE SEASON, HENCE A MOST VALUABLE BEDDING VARIETY.

It grows compact medium dwarf, with lustrous green foliage and throws up gigantic flower-heads very freely. We claim it to have the largest flower-heads of any of the Bedding Geraniums. The individual blooms measure 2½ inches across. It is a common occurrence that a single 4-inch pot plant shows four fully open gigantic flower-spikes, several half open and more in bud.

At the time of writing this catalog (August) our trial and stock beds of these are the most perfect sight one could wish for.

Its propagating quality is the best ever. More cuttings can be made from this variety than any other in existence.

To compare it with some of the best known commercial scarlet varieties will simply state that it puts the present standard bearer, "Alphonse Ricard," entirely in the background and soon will supplant it altogether.

"Read what two of the greatest American Geranium growers have to say about 'Helen Michell,' below."

Philadelphia, June 15th, 1912

Gentlemen:

Relative to the new Geranium, "Helen Michell," which was shown to us a few days ago, would say that we consider this variety a GREAT IMPROVEMENT over Alphonse Ricard. The flower is borne on a long, stiff stem, is MUCH LARGER than the Ricard variety, and the color is superb. It appeared to us to be a very

and UNUSUAL known of this variety and think it will adders in commerce, fully,

ERT CRAIG CO.

White Marsh, Md., June 10, 1912

Gentlemen:

We take pleasure in assuring you that we were very favorably impressed with the new GERANIUM, "HELEN MICHELL." It certainly possesses merits of exceptional value to the grower, and we are confident it will immediately find its place among the leading class of Geraniums.

Respectfully yours,

R. VINCENT, JR., SONS

## IMPORTANT NOTICE.

To give Exhibitors more time to grow specimen plants we have changed the date and place of the exhibition and our prize offer, therefore, should read as follows:

**\$50.00 in Gold**

First Prize

**Michell's Gold Medal**

Second Prize

**Michell's Silver Medal**

Third Prize

for the best single pot (single plant) of the Geranium "Helen Michell" as offered to be exhibited in connection with the Sweet Pea Show of the American Sweet Pea Society in New York, end of June, 1914. Full particulars can be had later.

10,000-8-13 Bt. HENRY F. MICHELL CO.

## GOLD

IS OFFERED AS FIRST PRIZE FOR THE BEST SINGLE PLANT IN A 4-INCH POT OF THE

## Scarlet Geranium "HELEN MICHELL"

best 4-inch plant of this Geranium—THE MICHELL GOLD MEDAL

best plant of the above—THE MICHELL SILVER MEDAL

the NEW YORK INTERNATIONAL FLOWER SHOW, MARCH 21st to 28th., can be had on application later.

olutely fair as no plants are disseminated until January, 1914, and no larger plants are in pots. Every one knows how to grow a Geranium, and it can be carried to the Show, and damages.

Two and one quarter inch pot plants ready beginning January, 1914. PRICES: 35c each; Dozen, \$4.00; Four inch pots ready in May, 1914; 50c each; Dozen \$5.00.



ENTRY STAMP

**HENRY F. MICHELL CO., 518 Market St., PHILADELPHIA.**

In care

Send to

LADIES WILL PLEASE PREFIX MISS OR MRS.

of

SAY HERE IF TO BE SHIPPED IN CARE OF ANYONE, AND WHO

P. O. Street or  
R. F. D. Address

### Shipping

**Address** NAME OF TOWN TO BE SHIPPED TO IF DIFFERENT FROM P. O. ADDRESS

County

Ship by

SAY HERE, MAIL, EXPRESS, BOAT OR FREIGHT

State

## Charge to

Superintendent's  
or Gardener's Name

FOR PURPOSE OF NOTIFICATION OF SHIPMENT

## Charge Address

DON'T WRITE HERE

WH.—TER.—NEW ACCT.

**AMOUNT ENCLOSED**  
(IF REMITTANCE ACCOMPANIES ORDER)

## STAMPS

M. O.

**CHECK**

CASH

L.

**DON'T WRITE IN THIS SPACE**

SPEC. TERMS

FILLED BY

**D'BLE CHE'KD BY**

SENT BY

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DO NOT FILL OR SHIP UNLESS MARKED  
PAID, OR CHARGE AND REGISTERED

ORDER NO.

**CUSTOMERS:—PLEASE DON'T WRITE IN THESE COLUMNS X OR ✓, FOR ORDER CLERKS**

[illegible]

Henry F. Michell Company endeavor to send out only the very best quality of Seeds, Bulbs and Plants, but cannot guarantee results or crops.  
If customers do not accept goods on above conditions, they can be returned to us within ten days.

50000-6-13 \* 599

## SPECIAL NOTICE

Fill out Name and Addresses asked for above, carefully, it is always best to write letters or inquiries on a separate memorandum, NOT on order sheets.

MADE BY BAKER-VAWTER CO. → H2







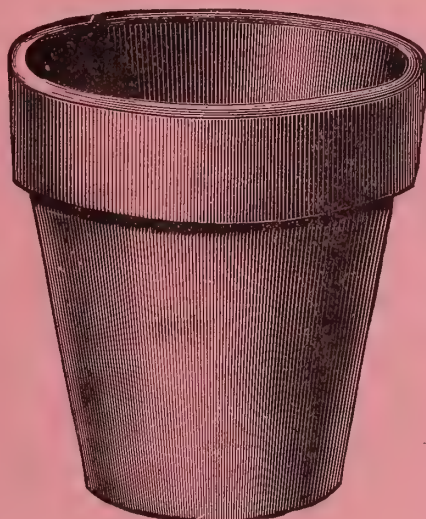


Pot Saucer



Seed Pans

# FLOWER POTS



Tubs, Saucers, Rolling Stands, Etc.

SOLD EXTENSIVELY BY

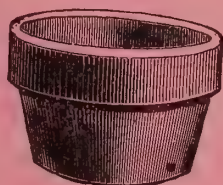
## HENRY F. MICHELL CO.

SEEDSMEN

518 Market Street

PHILADELPHIA

"Evergreen" Seed Gardens, Torresdale, Pa.



Bulb Pan





### EARTHEN FLOWER POTS

The height and width are equal, and both are inside measurements.

	Each	Doz.	100	1000
2 inches	\$0.01	\$0.07	\$0.50	\$3.96
2 1/4 "	.01	.08	.56	4.45
2 1/2 "	.02	.09	.69	5.45
3 "	.02	.11	.88	6.93
3 1/2 "	.02	.14	1.06	8.41
4 "	.02	.18	1.38	10.89
4 1/4 "	.03	.20	1.56	12.37
4 1/2 "	.03	.24	1.88	14.85
5 "	.03	.32	2.50	19.80
5 1/2 "	.05	.41	3.13	24.75
6 "	.05	.49	3.75	29.70
6 1/2 "	.07	.62	4.80	44.00
7 "	.08	.78	6.00	55.00
8 "	.11	1.09	8.40	77.00
9 "	.16	1.56	12.00	110.00
10 "	.22	2.11	16.20	148.50
11 "	.29	2.81	21.60	
12 "	.40	3.90	30.00	
14 "	.80	7.80	60.00	
16 hand made	1.50	13.50		
18 "	2.00	23.00		
20 "	2.50	28.50		

### EARTHENWARE SAUCERS

	Each	Doz.	100
4 inches	\$0.02	\$0.15	\$1.12
5 "	.03	.18	1.40
6 "	.04	.24	1.88
7 "	.05	.31	2.40
8 "	.06	.47	3.60
9 "	.08	.62	4.80
10 "	.09	.78	6.00
11 "	.11	.94	7.20
12 "	.15	1.17	9.00
14 "	.25	1.95	15.00

### WOOD FIBRE SAUCERS

	Each	Doz.	100
4 inches	\$0.11	\$1.24	\$9.27
5 "	.11	1.27	9.54
6 "	.12	1.32	9.90
7 "	.13	1.44	10.80
8 "	.14	1.56	11.70
9 "	.15	1.73	12.96
10 "	.16	1.80	13.50
12 "	.19	2.16	16.20
14 "	.25	2.88	21.60
16 "	.44	5.04	37.80
18 "	.50	5.76	43.20

### EARTHEN BULB PANS

Diam. Inside	Each	Doz.	100
6 inches	\$0.07	\$0.68	\$3.75
7 "	.08	.78	4.80
8 "	.10	.98	6.00
9 "	.15	1.30	8.40
10 "	.20	1.63	10.80
12 "	.25	2.28	15.00
14 "	.50	4.55	30.00
16 "	.90	7.80	60.00
18 "	1.25	11.70	90.00

### EARTHEN SEED PANS

Inches, Square	Each	Doz.
6 x 6	\$0.20	\$2.00
8 x 8	.25	2.50
10 x 10	.30	3.00
12 x 12	.40	3.50

### FERN PANS

Width	Height	Each	Doz.	100
4 in.	1 1/2 in.	\$0.04	\$0.31	\$1.65
4 1/4 "	2 1/8 "	.05	.33	2.20
5 1/2 "	2 1/4 "	.06	.41	2.75
6 1/4 "	2 1/2 "	.07	.49	3.30
7 "	2 3/8 "	.09	.55	3.85
8 "	3 1/8 "	.11	.79	5.50
9 "	3 1/4 "	.15	.95	6.60

### FERN DISH LINERS



Width	Depth	Each	Doz.	100
7 in.	1 1/2 in.	\$0.12	\$1.00	\$6.00

### AZALEA OR LOW EARTHEN POTS



Width	Height	Each	Doz.	100
6 in.	5 in.	\$0.06	\$0.51	\$3.93
7 "	6 "	.09	.82	6.30
8 "	7 "	.12	1.14	8.82
10 "	8 "	.24	2.21	17.00

6 pieces of any one size, Pots, Saucers, etc., at dozen rate, 50 at 100 rate, 500 at 1000 rate



## CEDAR PLANT TUBS



Cedar Plant Tub

Equipped with  
Black Iron Hoops

These are made by hand, of the very best white cedar. They will be found very much superior to lower-priced machine made cedar tubs.

	Outside diam.	Length of stave outside	
No. 0.	27 inches	24 inches	\$5.50
No. 1.	25 "	22 "	5.00
No. 2.	23 "	20 "	4.50
No. 3.	21 "	18 "	4.00
No. 4.	19½ "	16 "	3.00
No. 5.	18 "	14 "	2.75
No. 6.	16½ "	13 "	2.25
No. 7.	15 "	12 "	2.00
No. 8.	12 "	10 "	1.75

## CEDAR PLANT TUBS

With Galvanized Iron Hoops

These hoops are much more substantial than the regular black iron and are well worth the difference; furnished only on order; not carried in stock.

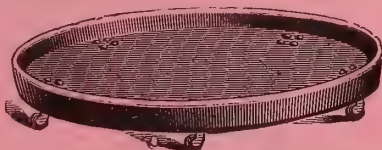
	Galv. Hoops
No. 0.	\$6.00
No. 1.	5.50
No. 2.	4.90
No. 3.	4.40
No. 4.	3.35
No. 5.	3.10
No. 6.	2.55
No. 7.	2.30
No. 8.	1.95

## MICHELL'S KEYSTONE PLANT TUBS

Made of white cedar, painted green and bound with strong electric welded wire hoops, which do not rust. Handles are sold separately at 10c. per pair, not attached, specify when wanted that way.

No.	Inside Diam.	Depth	Each
6.	11 inches	10 inches	\$0.70
7.	12 "	11 "	.80
8.	13 "	12 "	.90
9.	14 "	13 "	1.00
10.	15 "	14 "	1.25
11.	16 "	15 "	1.35
12.	17 "	16 "	1.50
13.	18 "	17 "	1.75
14.	19 "	18 "	2.00

## ROLLING STANDS (Wood Fibre)



	Will Fit	Pot	Tub	Each	Doz.
12 inches	10 in.	No. 8		\$0.53	\$6.00
14 "	12 "	" 8		.63	7.20
16 "	14 "	" 7-6		.78	9.00
18 "	16 "	" 5		.88	10.00
20 "		" 4		1.05	12.00
22 "				1.31	15.00

## ORCHID RECEPTACLES

ROUND PANS

EARTHEN BASKETS

	Each	Doz.	Square	Each	Doz.
6 in.	\$0.20	\$1.80	4 in.	\$0.15	\$1.35
8 "	.30	2.50	6 "	.25	2.25
10 "	.40	3.60	7 "	.30	3.00
12 "	.50	5.00			

## WOOD FIBRE FLOWER VASES

No.	Diam. inside	Depth inside	Each	Doz.
0.	8 in.	13 in.	\$0.58	\$6.60
1.	5½ "	10 "	.50	5.70
2.	4½ "	9 "	.44	5.00
3.	4 "	6 "	.37	4.20
4.	3 "	4½ "	.29	3.30
00.	9 "	21 "	2.19	25.00
11.	5 "	18 "	.58	6.60
22.	4½ "	15 "	.50	5.70
33.	4 "	12 "	.44	5.00
44.	3 "	9 "	.37	4.20
000.	9 "	29 "	2.88	33.00

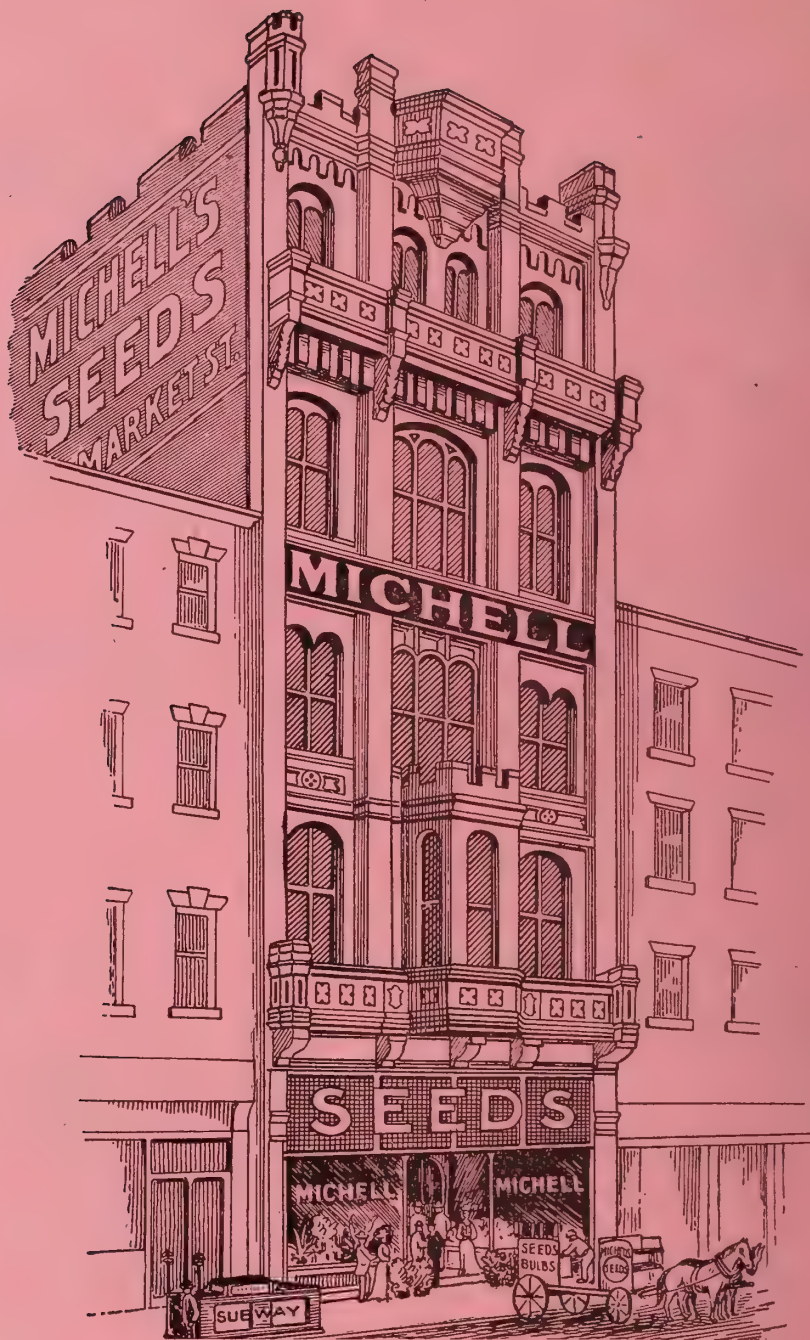
## WOOD FIBRE PLANT TUBS

COMPLETE WITH SAUCERS



	Green Enameled	Mahogany Color
10 inch.	\$0.95	\$0.63
12 "	1.15	.75
14 "	2.00	1.50
18 "	4.73	3.95





HENRY F. MICHELL CO. , 518 MARKET STREET, PHILA.



100.000-10-12. Welf. ne-1000

From

P. O.

County

State

**HENRY F. MICHELL CO.**

**518 Market Street,**

**"SEEDS,"** ETC. **Philadelphia, Pa.**













MICHELL'S EVERGREEN LAWN GRASS  
\$ 4.00 PER BUSHEL (20 LBS.)

*Autumn  
is the ideal  
time for sowing  
Grass Seed*

## MICHELL'S RECLEANED GRASS SEEDS

FOR  
SEASHORE LAWNS,  
SHADED LAWNS,  
OPEN LAWNS,  
GOLF LINKS,  
TERRACES,  
HAY FIELDS,  
PASTURE LANDS,  
PUTTING GREENS,  
PLEASURE GROUNDS  
and for all  
Special Purposes  
and Conditions



MICHELL'S  
GOLF COURSE GRASS SEED  
\$ 3.00 PER BUSHEL

HENRY F. MICHELL Co

Grass  
Seed  
Specialists

518 MARKET ST.  
PHILADELPHIA

Special Booklet on  
Lawns also  
Golf Grounds **FREE**